TOOLS FOR ELECTRICAL WIRING

IZUMI PRODUCTS COMPANY

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We, IZUMI, are a manufacture of tools for the electric utility industry.

With our company policy "quality is life of the company", we are committed to provide safe and high quality products that meet a wide range of customer`s demands.

PRODUCTS

- *Cutters for electrical wiring*
- *Compression and crimping tools for wire connecting*
- *A full line of steel punches for sheet metal and angle bars.*
- *Pipe Benders*
- *High Pressure hydraulic pumps*

ALL IZUMI TOOLS ARE BACKED BY ISO 9001.

Our factory has been certified by ISO 9001. ISO 9001 is Quality Management system which is the most stringent of universally accepted international quality standards.

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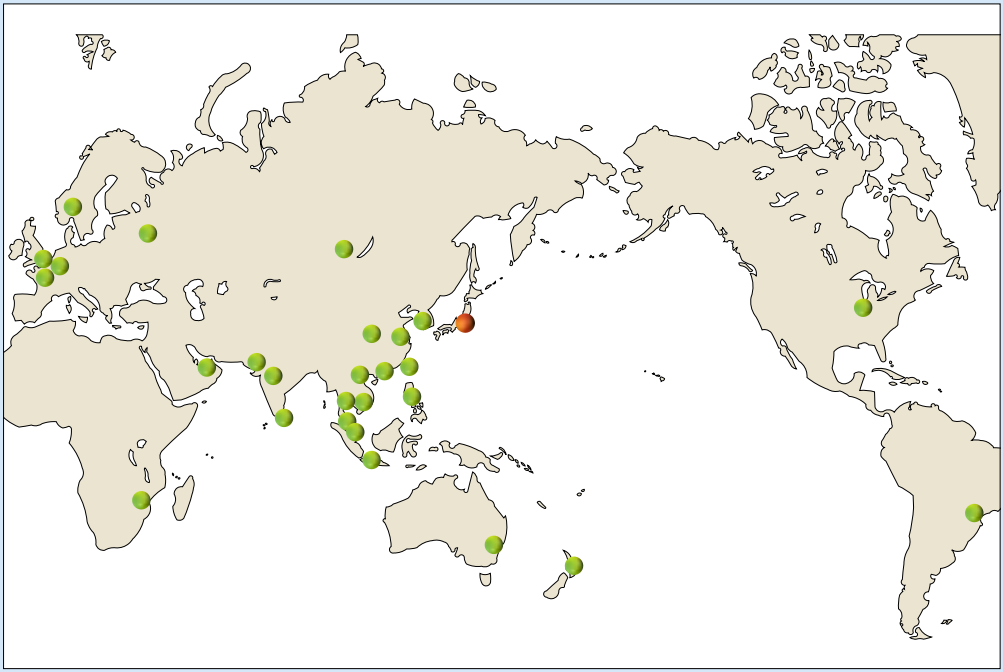

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NOTE : IZUMI reserves the right to change specification of products without notice.

IZUMI PRODUCTS COMPANY

LITHIUM ION BATTERY OPERATED TOOLS

Well balanced design

New Slide in battery connection system

World wide Multi-voltage Charger (100-240V)

BP-14LN Lithium-Ion battery provides more cycles per charge in comparison with our Ni-cad and Ni-metal battery

MODEL No.
BP-14LN

Designed for exclusive use on all LIC series tools
3.0 Ah Capacity

BP-14LN High Capacity Battery

SPECIFICATIONS

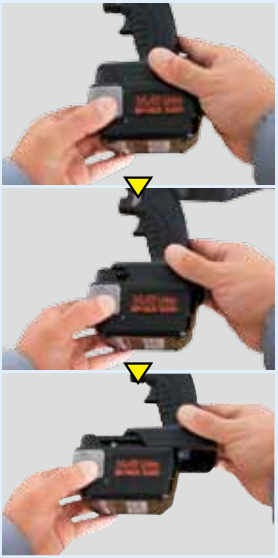
Output voltage : 14.4 VDC
Capacity : 3.0 Ah
Type : Lithium Ion
Charge time :
25 min (80% capacity)
40 min (100% capacity)

SIZE

107 (L) x 63 (H) x 80 (W) mm

WEIGHT

570 g



FEATURES

The BP-14LN is developed for IZUMI LIC-Series.
Environmentally friendly : contains no hazardous substances.
Light weight : weighs only 65% compared with BP-70EI Ni-Cad battery.
No memory effect : it can be charged at anytime.
Low self discharge rate : Longer shelf life because of low self discharge rate.
New slide in battery installation : gives more secure connection with the tool and quick and easy connection and removal.

BP-14LN life expectancy is more than 300% in comparison with Ni-Cad and Ni-metal battery , BP-70E BP-70MH etc.

BP-70E : 600 recharges
BP-70MH : 600 recharges
BP-14LN : more than 1800 recharges.

REMARKS

* The battery has a limited life. When capacity becomes about 1/2 of the original capacity, the battery should be replaced.

* If the battery is stored without being charged, natural drainage will cause the power to be reduced. Be sure to charge the battery every 3 months.

* When the battery is used for the first time, the battery will need to be fully charged before use.

* Cycles per charge will vary depending on the type and size of the material being cut or compressed.

MODEL No.
CH-25LNW

Multi-voltage Battery Charger (100-240V)

CH-25LNW

CH-25LNW with RP-14LN

SPECIFICATIONS

Input Voltage: 100-240V AC (50/60HZ)

145VA (100V) – 148VA (240)

SIZE

230 (L) X 80 (H) X 145 (W) mm

WEIGHT

1.6 kg

CHARGE TIME FOR BP-14LN

25min. (80% capacity)
40min. (100% capacity)

FEATURES

Multi voltage and quick charger (100V-240V) for Lithium-Ion battery BP-14LN.

It takes only 40min to charge 100% capacity.

CH-25LNW is an EMC approved charger in accordance with related CE and EMC directive.

REMARKS

Stand by-Red blinking

80% completion-Green blinking

Completion-Orange blinking

Auxiliary charging-Green blinking

High or low temperature-Red lighting

Impossible to charge-Red blinking

Charges BP-14LN only

Cannot charge BP-70R, BP-70I, BP-70E, BP-70EI and BP-70MH

MODEL No.
LIC-558U

Accepts Burndy W type dies and Kearney/ Blackburn O type dies

LIC-558U shown with BP-14LN

SPECIFICATIONS

Ram stroke : 13 mm
Motor : 14.4 VDC

Reservoir capacity :100 cc
Force at die face :54 kN

BP-14LN Battery use only.

SIZE

332 (L) x 295 (H) x 84 (W) mm

WEIGHT

3.4 kg (without battery)

ACCESSORIES

Double molded carrying case,
Shoulder Strap
Battery and charger

FEATURES

The LIC-558U is a compression tool operated by eco-friendly Li-Ion battery.
This tool accepts Bundy W type dies and kearney / Block burn O type dies.

Electronic circuit board with LED indicates compression status and battery capacity.
The LIC-558U has electronic memory function to record repair history by connecting optional "ROBO-RW" analyzer.

It squeezes commonly used service enterance connectors, lugs, sleeves, H and C taps. It can be easily carried and used in limited access areas because of its swivel head and compact design.

Attached quick release pins make changing between compression head and cutting head a one minute job, with no pins or springs to lose! This revolutionary design eliminates the need for multiple tools at one job site.

The 25CAT cutter attachment can slice nonferrous cables up to 25mm.

REMARKS

Dies are sold separately.
Specify the manufacturer's die and connector numbers.
Specify charger input voltage.

* Battery operated compression tool
* Detachable latch type H framed tool head
* 25CAT cutter attachment as an optional accessory
* LED lights when battery capacity becomes low
* Light weight and slim design
* Pistol type, well balanced design
* Right or Left handed operation
* Accepts both Burndy and Kearney type dies (W and O type dies)
* D3 Saddle dies
* 180 degree swivel head
* Optional DC charger
* Quality backed by ISO9001

MODEL No.
LIC-551F

Accepts Beku type dies widely used in European countries
Applicable range : up to 150mm^2 Cu connectors
(Approx. 20mm across vertex of hexagon)

LIC-551F shown with BP-14LN

SPECIFICATIONS

Ram stroke : 15 mm
Motor : 14.4 VDC

Reservoir capacity :
100 cc
Force at die face :
52 kN

BP-14LN Battery use only.

SIZE

322 (L) x 294 (H) x 84 (W) mm

WEIGHT

3.2 kg (without battery)

ACCESSORIES

Shoulder strap,
Double molded carrying case,
Battery and charger

FEATURES

The LIC-551F is an environment friendly Li-ion battery operated compression tool accepts BEKU type dies widely use in European countries, applying compression fitting to coppre aluminum and ACSR conductors widely used in the industry.

Light weight and slim design is ideal for close quarter application such as connection in the switch box. Also easy latch type closed head provides easy insertion and removal of connectors.

Electronic circuit board with LED indicates compression status and battery capacity.

The LIC-551F has electronic memory function to read repair history by connecting optional "ROBO-RW" analyzer.

REMARKS

Dies are sold separately.
Specify the manufacturer's die and connector numbers.
Specify charger input voltage.

* Battery operated compression tool
* Latch type H framed tool head
* Light weight and slim design
* Pistol type, well balanced design
* 14.4VDC powerful motor
* Right or left handed operation
* Accepts Beku type dies
* 180 degree swivel head
* Optional DC charger
* Quality backed by ISO 9001

MODEL No.
LIC-5431

Accepts existing **12 ton** U-type dies

LIC-5431 shown with 14LN

SPECIFICATIONS

Ram stroke : 31 mm
Motor : 14.4 VDC

Reservoir capacity :
135 cc
Force at die face :
106 kN

BP-14LN Battery use only.

SIZE

392 (L) x 315 (H) x 84 (W) mm

WEIGHT

6.1 kg (without battery)

ACCESSORIES

Shoulder strap,
Double molded carrying case,
Battery and charger

FEATURES

The LIC-5431 is a 12 ton class compression tool operated by eco-friendly Li-Ion battery. This tool accommodates 12 ton U-type dies for applying compression fittings to copper aluminum and ACSR conductors widely used in the industry.

Pistol type 12 ton tool makes it easier for working in tight space or in the control box.

The trigger switch and return button are activated by only one hand so that other hand is always free to hold working material.

Electronic circuit board with LED indicates compression status and battery capacity.

The LIC-5431 has electronic memory function to record repair history by connecting optional "ROBO-RW" analyzer.

REMARKS

Dies are sold separately.
Specify the manufacturer's die and connector numbers.
Specify charger input voltage.

* Battery operated pistol type compression tool
* Rapid ram advance mechanism
* Well balanced design
* 31 mm Jaw opening C head
* 14.4VDC powerful motor
* Right or Left handed operation
* Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre and Blackburn 12 ton U-type dies
* Optional DC charger
* Quality backed by ISO9001

MODEL No.
LIC-5510

Accepts existing **12 ton** U-type dies

LIC-5510 shown with BP-14LN

SPECIFICATIONS

Ram stroke : 42 mm
Motor : 14.4 VDC

Reservoir capacity : 135cc
Force at die face : 106 kN

BP-14LN Battery use only.

SIZE

419 (L) x 320 (H) x 84 (W) mm

WEIGHT

7.1 kg (without battery)

ACCESSORIES

Shoulder Strap
Double molded carrying case,
Battery and charger

FEATURES

The LIC-5510 is an environment friendly Li-Ion battery operated 12 ton class compression tool to accommodates 12 ton U-type dies for applying compression fittings to copper, aluminum and ACSR conductors. widely used in the industry.

Pistol type 12 ton tool made it easier for working in tight space or in the control box.

The trigger switch and return button are activated by only one hand so that other hand is always free to hold working material.

Electronic circuit board with LED indicates compression status and battery capacity.
The LIC-5xxx series tool has electronic memory function to record repair history by connecting optional "ROBO-RW" analyzer.

REMARKS

Dies are sold separately.
Specify Charger input voltage.

* Battery operated pistol type compression tool
* Rapid ram advance mechanism
* Well balanced design
* 42mm Jaw opening C head
* 14.4VDC powerful motor
* Right or Left handed operation
* Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre and Blackburn 12 ton U-type dies
* 350 degree swivel head
* Optional DC charger
* Quality backed by ISO9001

MODEL No.
LIC-5630

Up to 32mm outer diameter connector

LIC-5630 shown with BP-14LN

SPECIFICATIONS

Ram stroke : 29 mm
Opening between nibs : 32 mm

Reservoir capacity :
100 cc
Output force :
60 kN

BP-14LN Battery use only.

SIZE

368 (L) x 272 (H) x 71 (W) mm

WEIGHT

4.7 kg (without battery)

ACCESSORIES

Shoulder strap,
Double molded carrying case,
Battery and charger

FEATURES

The LIC-5630 is an environment friendly Li-Ion battery operated hand held dieless crimping tool used to compress Anderson type connectors up to 500KCM.

Three movable nibs push connectors against the top fixed nib. As a result, four indentations are made into the connector.

This tool is designed to install Anderson type connectors. Consult your connector manufacturer for dieless applications.

REMARKS

Specify charger input voltage.

* Battery operated dieless crimping tool
* Rapid ram advance mechanism
* Light weight aluminum forged head
* LED lights when battery capacity becomes low
* Light weight and slim design
* Pistol type housing
* 14.4VDC powerful motor
* Right or Left handed operation
* 360 degree swivel head
* Optional DC charger

MODEL No.
LIC-50

The new powerful magnetic motor with high torque

LIC-50 shown with BP-14LN

LIC-50

SPECIFICATIONS

Drive unit : 14.4V DC Motor

Maximum cutting diameter :
Nonferrous 50 mm

BP-14LN Battery use only.

SIZE

84 (L) x 365 (H) x 130 (W) mm

WEIGHT

2.1 kg (without battery)

ACCESSORIES

Steel carrying case,
Battery and charger

FEATURES

The new powerful magnetic motor with high torque offers superior performance to the REC-50.

The LIC-50 was specifically designed for cutting the toughest copper and aluminum cables in a limited amount of space. Cuts are clean with minimal cable distortion and comfortably fits into a gloved hand. Repetitive ratcheting movement is entirely eliminated. Just a squeeze of the rocker arm trigger is all it takes to cut .

This powerful gear reduction motor pulls a movable blade through tough copper cable.

It is equipped with an electronic circuit for overloading protection.

REMARKS

Cutting capacity : # of cuts

Materia	BP-14LN
Polyethylene cable	
600V-CV325 mm² (31 mm OD)	: 180
600V-CV150 mm² x 3 (46 mm OD)	: 110
600V-CV500 mm² (38 mm OD)	: 110
6KV-CVT500mm² (45 mm OD)	: 90
Multi-core vinyl insulation cable	
VVR150 mm² (47 mm OD) 3 core	: 80
Soft copper cable	
IV500 mm² (35 mm OD)	: 140
Hard copper cable	
150 mm² (21 mm OD)	: 270

MODEL No.
LIC-S524

Cuts steel materials as well as cables

LIC-S524 shown with BP-14LN

SPECIFICATIONS

Ram stroke : 24 mm
Motor : 14.4 VDC

Reservoir capacity :
100 cc
Output force :
84 kN

BP-14LN Battery use only.

SIZE

315 (L) x 304 (H) x 84 (W) mm

WEIGHT

4.4 kg (without battery)

ACCESSORIES

Shoulder strap,
Double molded carrying case,
Battery and charger,

FEATURES

The LIC-S524 is a cable cutter operated by eco-friendly Li-Ion battery to cut the toughest steel used in construction today.

With the pull of the trigger, you can cut ACSR cables up to 24mm, and guy wires to 20mm.

The specially designed flip-top latch and rotating head provide exceptional ease of use and maneuverability in tight working quarters.

The LIC-S524 has an overload bypass which will kick out when tool reaches 84kN of output.

REMARKS

Specify charger input voltage.

Cutting capacity : # of cuts

Material			BP-14LN
Wire rope	6x7	: 18mm	82
	6x12	: 24mm	105
	6x19	: 24mm	67
Soft steel bar		: 20mm	90
Re-bar		: 16mm	120
Cu strands		: 24mm	120
Al strands		: 24mm	150
ACSR		: 24mm	142
Guy wire	1x7	: 20mm	127
	1x19	: 20mm	120
CCP cable		: N/A	

MODEL No.
LIC-S540

Cuts steel materials as well as cables.

LIC-S540 shown with BP-14LN

SPECIFICATIONS

Ram stroke : 40 mm
Motor : 14.4 VDC

Reservoir capacity :
135cc
Output force :
68 kN

BP-14LN Battery use only.

SIZE

441 (L) x 325 (H) x 85 (W) mm

WEIGHT

6.1 kg (without battery)

ACCESSORIES

Shoulder strap,
Double molded carrying case,
Battery and charger

FEATURES

The LIC-S540 is a cable cutter operated by eco-friendly Li-Ion battery to cut the ACSR cables used in transmission line construction work. It is now equipped with rapid ram advance mechanism for faster operation.

With the pull of the trigger, you can cut ACSR cables up to 38mm, guy wires to 20mm,and wire ropes to 22mm.

The rotating head provides exceptional ease of use and maneuverability in tight working quarters.

The lock pin type head allows the cutter head to open widely for easy insertion of cutting material.

The LIC-S540 has an overload bypass which will kick out when tool reaches 68kN of output.

REMARKS

Specify charger input voltage.

Cutting capacity : # of cuts

Material			BP-14LN
Wire rope 6 x 7	:	22mm	60
6 x 12	:	22mm	82
6 x 19	:	22mm	45
Soft steel bar	:	20mm	60
Re-bar	:	16mm	60
Cu strands	:	40mm	42
Al strands	:	40mm	52
ACSR	:	38mm	45
Guy wire 1 x 7	:	15mm	120
1 x 19	:	20mm	72
CCP cable	:	N/A	

MODEL No.
LIC-585YC

Cuts CCP cables up to 85 mm
CU and AL strands upto 60mm

LIC-585YC shown with BP-14LN

SPECIFICATIONS

Ram stroke : 44 mm
Motor : 14.4 VDC

Reservoir capacity :
135 cc
Output force :
80 kN

BP-14LN Battery use only.

SIZE

517 (L) x 325 (H) x 86 (W) mm

WEIGHT

6.4 kg (without battery)

ACCESSORIES

Shoulder strap, Grip,
Steel carrying case,
Battery and charger

FEATURES

The LIC-585YC is a scissors type cable cutter operated by Li-Ion battery to cut various cables used in the industry today. It is equipped with rapid ram advance mechanism for faster operation.

With a pull of the trigger, you can cut Cu and Al cables up to 60mm and CCP cables up to 85mm.

The scissors type cutter head provides exceptional ease of use and maneuverability when making many cuts.

The LIC-585YC has an overload bypass which will kick out when the tool reaches 80kN of output.

REMARKS

Specify charger input voltage.

Cutting capacity : # of cuts

Material	BP-14LN
Polyethylene cable 600V-CV325mm2 (60mm OD) 3 core	22
600V-CV150mm2 (46mm OD) 3 core	60
600V-CV500mm2 (38mm OD)	45
Multi-core vinyl insulation cable VVR150mm2 (47mm OD) 3 core	60
CCP Cable (85mm OD)	45
Lead sheathed cable (85mm OD)	45

MODEL No.
LIC-5200MX

Non-insulated terminals: 14, 22, 38, 60, 70, 80, 100, 150, 200 mm^2
Angle beam fabricating attachments and many other attachments

LIC-5200MX shown with BP-14LN

FEATURES

The LIC-5200MX is a multipurpose tool operated by eco-friendly Li-Ion battery. This tool is suitable for various types of crimping, cutting, punching and etc.

Available attachments are 8 kinds and the LIC-5200MX comes standard with rotary type crimping head, 200 mm2 Yoke-nest and indentors suitable for up to 200 mm2 crimping terminals.

Attachments are mounted on the tool head by inserting two lock pins located at the cylinder head for easy changeover.

The control buttons are activated by only one hand so that other hand is always free to hold working material.

Electronic circuit board with LED indicates compression status and battery capacity.

SPECIFICATIONS

Ram stroke : 17 mm
Motor : 14.4 VDC

Reservoir capacity :
100 cc
Force at die face :
127 kN

BP-14LN Battery use only.

SIZE

356 (L) x 306 (H) x 84 (W) mm

WEIGHT

5.1 kg (without battery)

ACCESSORIES

Shoulder strap,
Plastic carrying case,
Indenting dies,
Nest :Nest wheel & 200 die
Indentor : 14, 22, 38-70, 80-150, 200
(5) pieces
Battery and Charger

REMARKS

Specify charger input voltage.

Following attachments are available separately

200AT-13WT : Threaded bar cutting attachment
200AT-S16 : Rebar cutting attachment
200AT-50YC : Cable cutting attachment
200AT-16B : T connector compression dies
200AF-HEX : Hexagonal compression Dies
200AT-9PD : Knock out punching attachment
200AT-AP18 : Angle beam punching attachment
200AT-DCM : Raceway cutting attachment
P-200M : Multipurpose Hydraulic Head

A

MODEL No.
200AT-50YC Cable Cutter

Cutting capacity: up to 50mm cable (including insulation)

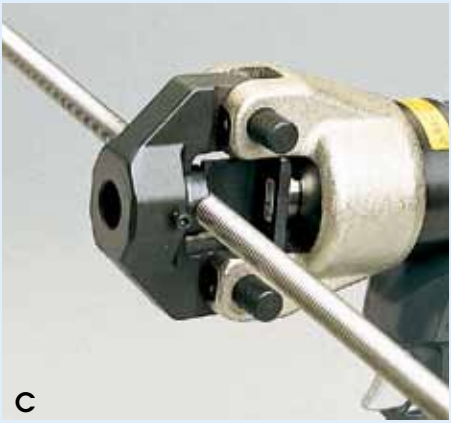
	# of cuts/charge (BP-14LN)
Cu 3×150mm² (46mmOD)	40
Cu 500mm² (45mmOD)	34

REMARKS
Cuts nonferrous cables only.

B

MODEL No.
200AT-S16 Re-bar Cutter

Cutting capacity:	# of cuts/charge (BP-14LN)
16mm rebar	120
16mm soft steel bar	120
13mm stainless steel bar	105


C

MODEL No.
200AT-13WT Threaded bar Cutter

Cutting capacity:	# of cuts/charge (BP-14LN)
W3/8"Soft steel (ss)	105
Stainless	52
W1/2"Soft steel (ss)	82
stainless	42

※ Comes with W3/8" Die Only.
W1/2, M10, M12 Die sold separatery.

D

MODEL No.

200AT-9PD Knock out Puncher

Punching capacity : up to B104 (115.5mm) diameter hole on 3.2mm thickness mild steel 34/charge (BP-14LN)

REMARKS

Punch & die, Set bolts, Collars are the same as those used for SH-10.
200AT-9PD comes with Set bolts and Collars.
Punch and die are sold separately. (See SH-10 page)

E

MODEL No.

200AT-AP18 Angle Steel Puncher

Punching capacity:	ϕ10.5, ϕ13.5, ϕ17.5 mm holes on 6mm thickness steel
Size:	186×130×67 mm
Weight:	3.8 kg
# of punching/charge:	82 (BP-14LN)

F

MODEL No.

200AT-DCM
(150AT-DCM+200AD-DCM) Raceway Cutter

Applicable raceway	: D-1,S-D1,P-1,D-2
Size	: 176 (H) x200 (W) x108 (D) mm
Weight	: 4.5 kg
# of cutting/charge	: 165/BP-70MH
Cutting speed	: 3 sec.

G

MODEL No.

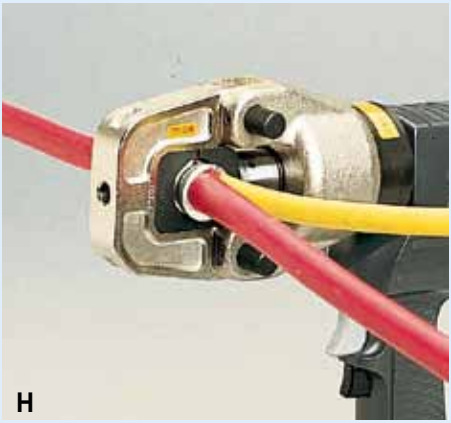
200AT-Hex Hexagonal Compression Dies

Compression Dies & # of compression per charge

Size	Across vertex	Die width
Cu8 ~ 14-12	12	18.4
Cu22 ~ 38-14	14	15
Cu45 ~ 70-19	19	11
Cu75 ~ 100-23	23	9
Cu110 ~ 125-26	26	11
Cu150-29	29	10
Cu180 ~ 200-32	32	10

REMARKS

# of compression for Cu180 ~ 200-32 : 35 (BP-14LN)



H

MODEL No.

200AT-16B Dies for C-connectors

Compression Dies & # of compression per charge. (BP-14LN)

Size	Size	Size
T-11	T-44	T-122
T-16	T-60	T-154
T-20	T-76	T-190
T-26	T-98	T-240

REMARKS

Dies are the same as those of #16B tool.

# of compression for T-240 : 40 (BP-14LN)

I

MODEL No.

P-200M Multipurpose Hydraulic Head

Maximum input pressure:	68.5Mpa or 10,000 PSI
Oil Volume Required:	40cc
Output force:	124 kN
Weight:	2.8 kg

P-200M Hydraulic Head accepts all attachments of LIC-5200MX/REC-5200MX.

MODEL No.
ECO-50

Battery Operated Compression Tool

ECO-50

ECO-50

FEATURES

The ECO-50 is a stick type battery operated compression tool accepts BEKU type dies up to Cu150mm2 of hexagonal compression.

This portable lightweight rechargeable compression tool is easier to access tight cable joints in narrow control panel.

The number of crimps per charge for 150mm2 terminal : 67 crimps / BP-70MH.

SPECIFICATIONS

Ram stroke : 15 mm
Motor : 14.4 VDC

Applicable Hex Compression :
Max. 150mm2 Cu Lugs
Force at die face :
52 kN

SIZE

397 (L) x 79 (H) x 70 (W) mm

WEIGHT

2.3kg (without battery)
3.1kg (with battery)

ACCESSORIES

Double molded carrying case,
Battery and charger
(See P115 for selection)

REMARKS

Dies are sold separately.
* Fully automatic, self-contained
* Battery Operated Compression Tool
* In-line design for one hand operation
* 14.4 VDC powerful motor
* Right or Left handed operation
* Accepts Beku type dies
* Optional DC charger
* Quality backed by ISO9001

MODEL No.
REC-551F

Accepts Beku type dies widely used in European countries
Applicable range : up to 150mm^2 Cu connectors
(Approx. 20mm across vertex of hexagon)

REC-551F shown with BP-70MH

REC-551F with Beku type dies

SPECIFICATIONS

Ram stroke : 15 mm
Motor : 14.4 VDC

Reservoir capacity :
100 cc
Force at die face :
52 kN

SIZE

323 (L) x 253 (H) x 70 (W) mm

WEIGHT

3.2 kg (without battery)

ACCESSORIES

Shoulder strap,
Double molded carrying case,
Battery and charger
(See P115 for selection)

FEATURES

The REC-551F accepts BEKU type dies widely used in European countries.

Light weight and slim design is ideal for close quarter application such as connection in the switch box. Also easy latch type closed head provides easy insertion and removal of connectors.

Electronic circuit board with LED indicates compression status and battery capacity.

The REC-551F has electronic memory function to read repair history by connecting optional "ROBO-RW" analyzer.

The number of crimps per charge for 150mm2 terminal : 67 crimps / BP-70MH

REMARKS

Dies are sold separately.
Specify the manufacturer's die and connector numbers.
Specify charger input voltage.

* Battery operated compression tool
* Latch type H framed tool head
* Light weight and slim design
* Pistol type, well balanced design
* 14.4VDC powerful motor
* Right or left handed operation
* Accepts Beku type dies
* 180 degree swivel head
* Optional DC charger
* Quality backed by ISO 9001

MODEL No.
REC-558U

Accepts Burndy W type dies and Kearney/ Blackburn O type dies

REC-558U shown with BP-70MH

REC-558U shown with "ROBO-RW" analyzer

SPECIFICATIONS

Ram stroke : 13 mm
Motor : 14.4 VDC

Reservoir capacity :100 cc
Force at die face :54 kN

SIZE

333(L) x 253(H) x 59(W) mm

WEIGHT

3.4 kg (without battery)

ACCESSORIES

Double molded carrying case,
Shoulder Strap
Battery and charger
(See P115 for selection)

FEATURES

Electronic circuit board with LED indicates compression status and battery capacity.
The REC-558U has electronic memory function to record repair history by connecting optional "ROBO-RW" analyzer.

It squeezes commonly used service enterance connectors, lugs, sleeves, H and C taps. It can be easily carried and used in limited access areas because of its swivel head and compact design.

Attached quick release pins make changing between compression head and cutting head a one minute job, with no pins or springs to lose! This revolutionary design eliminates the need for multiple tools at one job site.

The 25CAT cutter attachment can slice nonferrous cables up to 25mm.

The number of crimps for maximum size conductor: 100crimps/BP-70MH

REMARKS

Dies are sold separately.
Specify the manufacturer's die and connector numbers.
Specify charger input voltage.

* Battery operated compression tool
* Detachable latch type H framed tool head
* 25CAT cutter attachment as an optional accessory
* LED lights when battery capacity becomes low
* Light weight and slim design
* Pistol type, well balanced design
* Right or Left handed operation
* Accepts both Burndy and Kearney type dies (W and O type dies)
* D3 Saddle dies
* 180 degree swivel head
* Optional DC charger
* Quality backed by ISO9001

MODEL No.
REC-5431

Accepts existing **12 ton** U-type dies

REC-5431 shown with BP-70MH

ROBO-RW

SPECIFICATIONS

Ram stroke : 31 mm
Motor : 14.4 VDC

Reservoir capacity :
135 cc
Force at die face :
106 kN

SIZE

392 (L) x 343 (H) x 70 (W) mm

WEIGHT

5.9 kg (without battery)

ACCESSORIES

Shoulder strap,
Double molded carrying case,
Battery and charger
(See P115 for selection)

FEATURES

The REC-5431 is a battery operated 12 ton class compression tool to accommodate 12 ton U-type dies for applying compression fittings to copper aluminum and ACSR conductors widely used in the industry.

Pistol type 12 ton tool makes it easier for working in tight space or in the control box.

The trigger switch and return button are activated by only one hand so that other hand is always free to hold working material.

Electronic circuit board with LED indicates compression status and battery capacity.

The REC-5431 has electronic memory function to record repair history by connecting optional "ROBO-RW" analyzer.

The number of crimps per charge for maximum size conductor: 60 crimps / BP-70MH

REMARKS

Dies are sold separately.
Specify the manufacturer's die and connector numbers.
Specify charger input voltage.

* Battery operated pistol type compression tool
* Rapid ram advance mechanism
* Well balanced design
* 31 mm Jaw opening C head
* 14.4VDC powerful motor
* Right or Left handed operation
* Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre and Blackburn 12 ton U-type dies
* Optional DC charger
* Quality backed by ISO9001

MODEL No.
REC-5510

Accepts existing **12 ton** U-type dies

REC-5510 shown with BP-70MH

REC-5510

SPECIFICATIONS

Ram stroke : 42 mm
Motor : 14.4 VDC

Reservoir capacity : 135cc
Force at die face : 106 kN

SIZE

421(L) x 286(H) x 78(W) mm

WEIGHT

7.1 kg (without battery)

ACCESSORIES

Shoulder Strap
Double molded carrying case,
Battery and charger
(See P115 for selection)

FEATURES

The REC-5510 is a battery operated 12 ton class compression tool to accommodate 12 ton U-type dies for applying compression fittings to copper, aluminum and ACSR conductors. widely used in the industry.

Pistol type 12 ton tool made it easier for working in tight space or in the control box.

The trigger switch and return button are activated by only one hand so that other hand is always free to hold working material.

Electronic circuit board with LED indicates compression status and battery capacity.
The REC-5000 series tool has electronic memory function to record repair history by connecting optional "ROBO-RW" analyzer.

REMARKS

Dies are sold separately.
Specify Charger input voltage.

* Battery operated pistol type compression tool
* Rapid ram advance mechanism
* Well balanced design
* 42mm Jaw opening C head
* 14.4VDC powerful motor
* Right or Left handed operation
* Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre and Blackburn 12 ton U-type dies
* 350 degree swivel head
* Optional DC charger
* Quality backed by ISO9001

MODEL No.
REC-H5130

Accepts existing **12 ton** U-type dies, dies for deep indent crimps

REC-H5130

Example of dies

SPECIFICATIONS

Ram stroke : 30 mm
Motor : 14.4 VDC

Reservoir capacity :
135 cc
Force at die face : 120 kN

SIZE

402 (L) x 256 (H) x 78 (W) mm

WEIGHT

5.6 kg (without battery)

ACCESSORIES

Shoulder strap,
Double molded carrying case,
Battery and charger
(See P115 for selection)

FEATURES

The REC-H5130 is a battery operated 12 ton class compression tool to accommodate 12 ton U-type dies and dies for deep indent crimps widely used in the industry.

This H head tool makes it easier to access to tight cable joints particularly in the control box.

The trigger switch and return button are activated by only one hand so that other hand is always free to hold working material.

The number of crimps per charge for maximum size conductor: 60 crimps / BP-70MH

This tool was designed to accommodate shell type dies for applying compression fittings to copper, aluminum and ACSR conductors.

REMARKS

Dies are sold separately.
Specify the manufacturer's die and connector numbers.
Specify charger input voltage.

* Battery operated pistol type compression tool
* Rapid ram advance mechanism
* Well balanced design
* 25 mm Jaw opening H head
* 14.4VDC powerful motor
* Right or Left handed operation
* Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre and Blackburn 12 ton compressors, as well as dies for deep indent crimps.
* 350 degree swivel head
* Optional DC charger
* Quality backed by ISO9001

MODEL No.
REC-3410

Accepts existing **12 ton** U-type dies

REC-3410 shown with BP-70E

REC-3410

SPECIFICATIONS

Ram stroke : 25 mm
(Jaw opening)
Motor : 14.4 VDC

Reservoir capacity :
170 cc
Force at die face :
106 kN

SIZE

395 (L) x 275 (H) x 90 (W) mm

WEIGHT

7.5 kg (without battery)

ACCESSORIES

Shoulder strap,Carrying case,
Battery and charger
(See P115 for selection)

FEATURES

The REC-3410 is the battery operated 12 ton tool to accommodate 12 ton U-type dies widely used in the industry.

Portability and handling are improved and it now features a larger handle opening with a rocker type advance/retract switch located on top of the handle for 1-finger operation. It also incorporates a built-in foot base with finger indents for easier handling when working overhead or under-ground.

The rapid advance system reduces tool run time, giving you more crimp cycles per battery charge.

The number of crimps per charge for maximum conductor :
55 crimps / BP-70MH

This tool is designed to acommodate U-type dies for applying compression fittings to copper, aluminum and ACSR conductors.

REMARKS

Dies are sold separately.
Specify the manufacturer's die and connector numbers.
Specify charger input voltage.

* Battery operated compression tool
* 25 mm jaw opening C head
* LED lights when battery capacity becomes low
* Well balanced & compact design
* Larger handle opening with rocker-type switch
* Built-in foot base with finger indents
* New rapid advance system
* 14.4 VDC powerful motor
* Right or left handed operation
* Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre and Blackburn 12 ton U-type dies
* 350 degree swivel head
* Optional DC charger
* Quality backed by ISO9001

MODEL No.
REC-3430

Accepts existing **12 ton** U-type dies

REC-3430 shown with BP-70E

REC-3430

SPECIFICATIONS

Ram stroke : 30 mm
(Jaw opening)
Motor : 14.4 VDC

Reservoir capacity :
170 cc
Force at die face :
106 kN

SIZE

410 (L) x 275 (H) x 90 (W) mm

WEIGHT

7.8 kg (without battery)

ACCESSORIES

Shoulder strap,Carrying case,
Battery and charger
(See P115 for selection)

FEATURES

The REC-3430 is the battery operated 12 ton class compression tool to accommodate 12 ton U- type dies widely used in the industry.

Portability and handling are improved and it now features a larger handle opening with a rocker type advance/ retract switch located on top of the handle for 1-finger trigger operation. The handle opening and rocker type switch is large enough for gloved hands. It also incorporates a built-in foot base with finger indents for easier handling when holding the tool with both hands

The number of crimps per charge for maximum size conductor : 55 crimps / BP-70MH

This tool is designed to acommodate U-type dies for applying compression fittings to copper, aluminum and ACSR conductors.

REMARKS

Dies are sold separately.
Specify the manufacturer's die and connector numbers.
Specify charger input voltage.

* Battery operated compression tool
* 30 mm jaw opening C head
* LED lights when battery capacity becomes low
* Well balanced & compact design
* Larger handle opening with rocker-type switch
* Built-in foot base with finger indents
* New rapid advance system
* 14.4 VDC powerful motor
* Right or left handed operation
* Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre and Blackburn 12 ton U-type dies
* 350 degree swivel head
* Optional DC charger
* Quality backed by ISO9001

MODEL No.
REC-3510

Accepts existing **12 ton** U-type dies

REC-3510 shown with BP-70R

REC-3510 shown with REC-3430 & REC-3410

SPECIFICATIONS

Ram stroke : 42 mm
(Jaw opening)
Motor : 14.4 VDC

Reservoir capacity :
170 cc
Force at die face :
106 kN

SIZE

440 (L) x 275 (H) x 90 (W) mm

WEIGHT

8.5 kg (without battery)

ACCESSORIES

Shoulder strap,Carrying case,
Battery and Charger
(See P115 for selection)

FEATURES

The REC-3510 is the third generation of this model ROBO tool and has the largest jaw opening of all of our battery operated 12 ton compression tools.

The opening is 42 mm which will accept mid-span copper and aluminum sleeves and cables up to 750 KCM. This tool accepts all "U" type dies available on the market.

Portability and handling are made easier because the REC-3510 system is self contained and compact. It features a larger handle opening with a rocker-type advance/retract switch located on top of the handle for 1-finger trigger operation.

The number of crimps per charge for maximum size conductor :
55 crimps / BP-70MH

This tool is designed to acommodate U-type dies for applying compression fittings to copper, aluminum and ACSR conductors.

REMARKS

Dies are sold separately.
Specify charger input voltage.

* Battery operated compression tool
* 42 mm jaw opening C head
* LED lights when battery capacity becomes low
* Well balanced & compact design
* Larger handle opening with rocker-type switch
* Built-in foot base with finger indents
* New rapid advance system
* 14.4 VDC powerful motor
* Right or left handed operation
* Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre and Blackburn 12 ton U-type dies
* 350 degree swivel head
* Optional DC charger
* Quality backed by ISO9001

MODEL No.
REC-3610

Accepts existing 15 ton P type dies
as well as 12 ton U-type dies

REC-3610 shown with BP-70MH

SPECIFICATIONS

Ram stroke : 50mm
Motor : 14.4 VDC

Reservoir capacity :
170cc
Force at die face :
134 kN

SIZE

480 (L) x 275 (H) x 90 (W) mm

WEIGHT

10.0 kg (without battery)

ACCESSORIES

Shoulder strap,Steel carrying case,
Battery and Charger
(See P115 for selection)

REC-3610 with P-type dies

FEATURES

The REC-3610 has the largest output and piston travel among all of our battery operated compression tools.

The piston travel is 54mm which accepts mid-span copper and aluminum sleeves and cables up to 1,500 KCM. This tool accepts all "U" type dies when used with an adapter.

Portability and handling are made easier because the REC-3610 system is self-contained and compact. It features a new, larger handle opening with a rocker type advance/retract switch located on top of the handle for one finger trigger operation.

The number of crimps per charge for maximum size conductor :
55 crimps / BP-70E

REMARKS

Dies are sold separately.
Specify charger input voltage.

* Battery operated compression tool
* 50mm Jaw opening closed head
* LED lights when battery capacity becomes low
* Well balanced & compact design
* Larger handle opening with rocker-type switch
* Built-in foot base with finger indents
* New rapid advance system
* 14.4 VDC powerful motor
* Right or Left handed operation
* Accepts 15 ton Burndy P type dies
* Accepts 12 ton U-type dies when used with die adapter
* 180 degree swivel head
* Optional DC charger
* Quality backed by ISO9001

MODEL No.

REC-5200MX

Non-insulated terminals: 14, 22, 38, 60, 70, 80, 100, 150, 200 mm^2
Angle beam fabricating attachments and many other attachments

REC-5200MX shown with BP-70MH

REC-5200MX

FEATURES

The REC-5200MX is a multipurpose battery operated tool suitable for various types of crimping, cutting, punching and etc.

Available attachments are 8 kinds and the REC-5200MX comes standard with rotary type crimping head, 200 mm2 Yoke-nest and indentors suitable for up to 200 mm2 crimping terminals.

Attachments are mounted on the tool head by inserting two lock pins located at the cylinder head for easy changeover.

The control buttons are activated by only one hand so that other hand is always free to hold working material.

Electronic circuit board with LED indicates compression status and battery capacity.

SPECIFICATIONS

Ram stroke : 17 mm
Motor : 14.4 VDC

Reservoir capacity :
100 cc
Force at die face :
127 kN

SIZE

356 (L) x 326 (H) x 70 (W) mm

WEIGHT

5.1 kg (without battery)

ACCESSORIES

Shoulder strap,
Plastic carrying case,
Indenting dies,
Nest :Nest wheel & 200 die
Indentor : 14, 22, 38-70, 80-150, 200
(5) pieces
Battery and Charger
(See P115 for selection)

REMARKS

Specify charger input voltage.

Following attachments are available separately. See LIC-5200MX attachment page.

200AT-13WT : Threaded bar cutting attachment
200AT-S16 : Rebar cutting attachment
200AT-50YC : Cable cutting attachment
200AT-16B : T connector compression dies
200AF-HEX : Hexagonal compression Dies
200AT-9PD : Knock out punching attachment
200AT-AP18 : Angle beam punching attachment
200AT-DCM : Raceway cutting
P-200M : Multipurpose Hydraulic Head

MODEL No.
REC-55PDF

Punching capacity : 3.2 mm thick mild steel or 1.6 mm stainless steel with 115.5 mm (4") holes

REC-55PDF shown with BP-70EI

Example of punch set

SPECIFICATIONS

Ram stroke : 22 mm
Motor : 14.4 VDC

Reservoir capacity :
100 cc
Output force :
73 kN

SIZE

328 (L) x 254 (H) x 70 (W) mm

WEIGHT

3.8 kg (without battery)

ACCESSORIES

Standard Accessories:
Shoulder strap,
Double molded carrying case,
Setting threads (3/4 and 3/8),
Punches are sold separately,
Collar (L, M, S, SS)
Battery and charger,
(See P115 for selection)
※Punch set is sold separately.

FEATURES

The REC-55PDF is a battery operated punch driver with swivel head for easy access to tight enclosed control panels. It gives clean perforation through 3.2mm thick mild steel or 1.6mm stainless steel with 115.5mm (4") holes.

This tool is ideal for working on control panels.

See SH-10(A)P and SH-10(B)P page 102 for punch sizes.

The number of perforations per charge for 3" hole on 3.2mm steel :
52 perforations / BP-70MH

REMARKS

Specify charger input voltage.

Ordering information :

REC-55PDF	standard accessories only
REC-55PDF(A)	above plus A19 to A51 punch set
REC-55PDF(B)	above plus B16 to B54 punch set

Detail information of punch is shown on page of SH-10 (Page 102)

MODEL No.
REC-S524

Cuts steel materials as well as cables

REC-S524 shown with BP-70MH

Head Cutter Opened

SPECIFICATIONS

Ram stroke : 24 mm
Motor : 14.4 VDC

Reservoir capacity :
100 cc
Output force :
84 kN

SIZE

316 (L) x 263 (H) x 70 (W) mm

WEIGHT

4.4 kg (without battery)

ACCESSORIES

Shoulder strap,
Double molded carrying case,
Battery and charger,
(See P115 for selection)

FEATURES

The REC-S524 was designed to cut the toughest steel used in construction today.

With the pull of the trigger, you can cut ACSR cables up to 24mm, and guy wires to 20mm.

The specially designed flip-top latch and rotating head provide exceptional ease of use and maneuverability in tight working quarters.

The REC-S524 has an overload bypass which will kick out when tool reaches 84kN of output.

REMARKS

Specify charger input voltage.

Cutting capacity : # of cuts

Material			BP-70MH
Wire rope	6x7	: 18mm	82
	6x12	: 24mm	105
	6x19	: 24mm	67
Soft steel bar		: 20mm	90
Re-bar		: 16mm	120
Cu strands		: 24mm	120
Al strands		: 24mm	150
ACSR		: 24mm	142
Guy wire	1x7	: 20mm	127
	1x19	: 20mm	120
CCP cable		: N/A	

MODEL No.
REC-S540

Cuts steel materials as well as cables.

REC-S540 shown with BP-70MH

REC-S540 (Head Cutter Opened)

SPECIFICATIONS

Ram stroke : 40 mm
Motor : 14.4 VDC

Reservoir capacity :
135cc
Output force :
70 kN

SIZE

442 (L) x 351 (H) x 78 (W) mm

WEIGHT

6.1 kg (without battery)

ACCESSORIES

Shoulder strap,
Double molded carrying case,
Battery and charger
(See P115 for selection)

FEATURES

The REC-S540 was designed to cut the ACSR cables used in transmission line construction work. It is now equipped with rapid ram advance mechanism for faster operation.

With the pull of the trigger, you can cut ACSR cables up to 38mm, guy wires to 20mm,and wire ropes to 22mm.

The rotating head provides exceptional ease of use and maneuverability in tight working quarters.

The lock pin type head allows the cutter head to open widely for easy insertion of cutting material.

The REC-S540 has an overload bypass which will kick out when tool reaches 68kN of output.

REMARKS

Specify charger input voltage.

Cutting capacity : # of cuts

Material			BP-70MH
Wire rope 6 x 7	:	22mm	60
6 x 12	:	22mm	82
6 x 19	:	22mm	45
Soft steel bar	:	20mm	60
Re-bar	:	16mm	60
Cu strands	:	40mm	42
Al strands	:	40mm	52
ACSR	:	38mm	45
Guy wire 1 x 7	:	15mm	120
1 x 19	:	20mm	72
CCP cable	:	N/A	

MODEL No.

REC-530Y

Al strands : 28mm(240mm²)
Cu strands : 28mm(250mm²)
ACSR : 19mm(120mm²) (Single strand steel core)

REC-530Y shown with BP-70MH

SPECIFICATIONS

Ram stroke : 21mm
Motor : 14.4 VDC

Reservoir capacity :
100cc
Output force :
60 kN

SIZE

372(L) x 265(H) x 70(W) mm

WEIGHT

4.1kg (without battery)

ACCESSORIES

Shoulder strap,
Plastic carrying case,
Battery and charger
(See P115 for selection)

FEATURES

The REC-530Y is a scissors type cutter used to cut ACSR cables up to 556KCM, as well as copper cables to 750KCM and aluminum cables up to 30mm outer diameter.

All cuts are clean with a minimal amount of cable distortion, which allows for easy connector installation on cables.

The head can be rotated 180 degrees for greater maneuverability in working quarters.

The keeper plate prevents jaws from spreading apart when cutting ACSR.

The number of cuts per charge for 19mm ACSR (336 KCM) :
230 cuts/BP-70MH

REMARKS

Specify charger input voltage.

* Battery operated scissors type cutter
* LED lights when battery capacity becomes low
* Light weight and slim design
* Pistol type design
* 14.4VDC powerful motor
* Right or Left handed operation
* 180 degrees swivel head
* Optional DC charger
* Quality backed by ISO9001

MODEL No.
REC-585YC

Cuts CCP cables up to 85 mm
CU and AL strands upto 60mm

REC-585YC shown with BP-70MH

SPECIFICATIONS

Blade opening : 85mm
Motor : 14.4 VDC

Reservoir capacity :
135 cc
Output force :
80 kN

SIZE

518(L) x 340(H) x 87(W) mm

WEIGHT

6.4 kg (without battery)

ACCESSORIES

Shoulder strap, Grip,
Steel carrying case,
Battery and charger
(See P115 for selection)

FEATURES

The REC-585YC scissors type cutter was designed to cut various cables used in the industry today. It is equipped with rapid ram advance mechanism for faster operation.

With a pull of the trigger, you can cut Cu and Al cables up to 60mm and CCP cables up to 85mm.

The scissors type cutter head provides exceptional ease of use and maneuverability when making many cuts.

The REC-585YC has an overload bypass which will kick out when the tool reaches 80kN of output.

REMARKS

Specify charger input voltage.

Cutting capacity : # of cuts

Material	BP-70MH
Polyethylene cable 600V-CV325mm2 (60mm OD) 3 core	22
600V-CV150mm2 (46mm OD) 3 core	60
600V-CV500mm2 (38mm OD)	45
Multi-core vinyl insulation cable VVR150mm2 (47mm OD) 3 core	60
CCP Cable (85mm OD)	45
Lead sheathed cable (85mm OD)	45

MODEL No.

REC-S3550

Cuts steel materials as well as cables up to 54mm

REC-S3550 shown with BP-70MH

REC-S3550 shown with 1.000mm² copper cable

SPECIFICATIONS

Ram stroke : 56 mm
Motor : 14.4 VDC
Reservoir capacity : 280 cc
Output force : 120 kN

SIZE

490 (L) x 275 (H) x 90 (W) mm

WEIGHT

9.6 kg (without battery)

ACCESSORIES

Shoulder strap,
Steel carrying case,
Battery and charger
(See P115 for selection)

FEATURES

The REC-S3550 is designed to cut the toughest steel used in construction today

Portability and handing are made easier because the REC-S3550 is self-contained and compact. It features a new , larger handle opening with a rocker-type advance/retract switch located on top of the handle for 1-finger operation

Guillotine type cutting for less jamming than shear type cutting

180 degree rotaing head allows for easy cutting positions

Lock pin type cutter head

REMARKS

Cutting of piano wire is prohibited.
Cutting capacity

* Wire rope 6x7 : 25mm
* Wire rope 6x12 : 30mm
* Wire rope 6x19 : 30mm
* Soft steel bar : 22mm
* Reinforcing rod : 19mm
* Cu strands : 54mm
* Al strands : 54mm
* ACSR : 54mm
* Guy wire 1x7 : 15mm
* Guy wire 1x9 : 20mm
* CCP cable : N/A
* LED indicates when battery capacity becomes low
* Well balanced & compact design
* Built-in foot base with finger indents
* New rapid advance system
* Larger handle opening with finger rocker-type switch
* Right or left handed operation
* Optional DC charger
* Quality backed by ISO9001

MODEL No.
REC-50M

Maximum cutting diameter: Nonferrous 50 mm

REC-50M shown with BP-70MH

REC-50M

SPECIFICATIONS

Drive Unit : 14.4V DC Motor

SIZE

84 (L) x 365 (H) x 130 (W) mm

WEIGHT

2.1 kg (without battery)

ACCESSORIES

Steel carrying case,
Battery and charger
(See P115 for selection)

FEATURES

The new powerful magnetic motor with high torque offers superior performance to the REC-50. The REC-50M provides effortless cutting and eliminates manual cutting by the operator. Cuts are clean with minimal cable distortion.

The REC-50M is specifically designed to cut the toughest copper and aluminium cables in a limited amount of space, and control cutting blade movement with one hand.

It is equipped with an electronic curcuit for overloading protection.

REMARKS

Cutting capacity : # of cuts

Material	BP-70MH
Polyethylene cable	
600V-CV325 mm^2 (31 mm OD)	: 142
600V-CV150 mm^2 x 3 (46 mm OD)	: 75
600V-CV500 mm^2 (38 mm OD)	: 60
6KV-CVT500mm^2 (45 mm OD)	: 45
Multi-core vinyl insulation cable	
VVR150 mm^2 (47 mm OD) 3 core	: 75
Soft copper cable	
IV500 mm^2 (35 mm OD)	: 75
Hard copper cable	
150 mm^2 (21 mm OD)	: 240

MODEL No.
REC-54

Maximum cutting diameter : Nonferrous 54 mm and Steel supported 400 pair telecom cable

REC-54 shown with BP-70I

REC-54 shown with SS cable

SPECIFICATIONS

Drive unit : 14.4V DC Motor

SIZE

105 (L) x 410 (H) x 115 (W) mm

WEIGHT

2.5 kg (without battery)

ACCESSORIES

Steel carrying case,
Battery and charger
(See P115 for selection)

FEATURES

The REC-54 was designed to cut SS cable or overhead CCP cable with Steel strand Support.

It cuts both nonferrous cables and steel strands. Like the REC-50, cuts are clean with minimal cable distortion.

A circuit breaker for overloading protection prevents motor overheating when attempting to cut the material over its capacity.

REMARKS

Cutting capacity : # of cuts

Material	BP-70MH
Polyethylene cable	
600V-CV325 mm² (31 mm OD)	: 90
Multi-core vinyl insulation cable	
VVR150 mm² (47 mm OD) 3 core	: 45
SB-ACSR120 mm² (18.6 mm OD)	: 142
Hard aluminum cable	
HAL-OC400 mm² (31.9 mm OD)	: 120
Hard copper cable	
OE-OC150 mm² (21 mm OD)	: 165
SS cable	
0.4 mm 400 CCP-F-SS(CR) cable	: 142
LCCP cable without support wire	
54 mm outer diameter	: 187

MODEL No.
REC-54AC

Maximum cutting diameter : Nonferrous 54 mm

REC-54AC shown with BP-70E

REC-54AC

SPECIFICATIONS

Drive unit : 14.4V DC Motor

SIZE

105 (L) x 410 (H) x 115 (W) mm

WEIGHT

2.5 kg (without battery)

ACCESSORIES

Steel carrying case,
Battery and charger
(See P115 for selection)

FEATURES

The REC-54AC was specifically designed for cutting the toughest copper and aluminum cables in a limited amount of space. Cuts are clean with minimal cable distortion. Repetitive ratcheting movement is entirely eliminated. Just a squeeze of the rocker arm trigger is all it takes to cut your toughest copper cable.

It is a heavy duty cable cutter for nonferrous cables up to 54mm O.D.. A powerful gear reduction motor pulls a movable blade through the toughest copper cable. It is equipped with a circuit breaker for overloading protection.

REMARKS

Cutting capacity : # of cuts

Material	BP-70MH
Polyethylene cable	
600V-CV325 mm² (31 mm OD)	: 142
600V-CV150 mm² (46 mm OD) 3 core	: 75
600V-CV500 mm² (38 mm OD)	: 60
6KV-CVT500 mm² (45 mm OD)	: 45
Multi-core vinyl insulation cable	
VVR150 mm² (47 mm OD) 3 core	: 75
Soft copper cable	
IV500 mm² (35 mm OD)	: 75
Hard copper cable	
150 mm² (21 mm OD)	: 225

MODEL No.
REC-5630

Up to 32mm outer diameter connector

REC-5630 shown with BP-70MH

SPECIFICATIONS

Ram stroke : 29 mm
Opening between nibs : 32 mm

Reservoir capacity :
100 cc
Output force :
60 kN

SIZE

369(L) x 280(H) x 70(W) mm

WEIGHT

4.7kg (without battery)

ACCESSORIES

Shoulder strap,
Double molded carrying case,
Battery and charger
(See P115 for selection)

FEATURES

The REC-5630 is a battery operated hand held dieless crimping tool used to compress Anderson type connectors up to 500KCM.

Three movable nibs push connectors against the top fixed nib. As a result, four indentations are made into the connector.

This tool is designed to install Anderson type connectors. Consult your connector manufacturer for dieless applications.

The number of crimps per charge for 500KCM connector : 120 crimps / BP-70MH

REMARKS

Specify charger input voltage.

* Battery operated dieless crimping tool
* Rapid ram advance mechanism
* Light weight aluminum forged head
* LED lights when battery capacity becomes low
* Light weight and slim design
* Pistol type housing
* 14.4VDC powerful motor
* Right or Left handed operation
* 360 degree swivel head
* Optional DC charger

MODEL No.

REC-5750

Up to 750KCM Anderson type connector

REC-5750shown with BP-70E

FEATURES

The REC-5750 is a flip-top, battery operated, hand held dieless crimping tool used to compress Anderson type connectors up to 750KCM.

The flip top latch opens to allow for easy cable positioning and removal.

Three movable nibs push connectors against the top fixed nib. As a result, four indentations are made into the connector.

Since this tool is designed to install Anderson type connectors, it is highly recommended to consult with connector manufacturer for dieless applications.

The number of crimps per charge for 600KCM copper connector : 97 crimps / BP-70MH

SPECIFICATIONS

Ram stroke : 31.5 mm
Opening between nibs : 36 mm

Reservoir capacity :
100 cc
Output force :
60 kN

SIZE

383(L) x 340(H) x 75 (W) mm

WEIGHT

4.7 kg (without battery)

ACCESSORIES

Shoulder strap,
Double molded carrying case,
Battery and charger
(See P115 for selection)

REMARKS

Specify charger input voltage.

* Battery operated dieless crimping tool
* Rapid ram advance mechanism
* Light weight aluminum forged head
* LED lights when battery capacity becomes low
* Light weight and slim design
* Pistol type housing
* 14.4VDC powerful motor
* Right or Left handed operation
* 360 degree swivel head
* Optional DC charger

MODEL No.
REC-P2

68.5 Mpa battery operated hydraulic pump with remote control

REC-P2 shown with OT-MWB

SPECIFICATIONS

Motor : 28.8 VDC
Oil delivery :
Low pressure
1.8 liter / min
High pressure
0.4 liter / min
Reservoir volume :
1,000 cc (60 cubic inch)
Oil pressure : 68.5 Mpa or 10,000 PSI

SIZE

272 (L) x 304 (H) x 143 (W) mm

WEIGHT

14.0 kg (without battery)

ACCESSORIES

Remote control switch,
2 meter wire wound rubber hose,
Battery and charger
OT-MWB:Lithium Ion Battery 28V 3.0Ah
OT-MWC:Lithium Ion Charger 220V-240V

Hydraulic Heads

REC-P2 shown with EP-60S

FEATURES

The REC-P2 is a battery powered hydraulic pump which has a 1,000cc or 60 cubic inch reservoir capacity. Its performance is powerful and closer to AC powered pump R14E-F1.

Quiet and powerful 28.8 VDC motor provides intermittent duty hydraulic power source to a remote head up to 60 ton capacity.

The remote control permits operator to advance, retract and stop the piston at any desired position.

1,000 cc of reservoir volume is sufficient enough to operate a 60 ton compression head with optional 3 meter hose.

OT-MWB 28VDC Lithium ion Battery warrants 2 year or 2,000cycle charges.

REMARKS

* Adjustable output pressure to 68.5 Mpa

* 360 degree swivel joint for hose maneuverability

* Durable steel cover

* Wired remote control switch

MODEL No.
SB-3UK

Shear Bolt Impact Wrench

SB-3UK

SB-3UK

SPECIFICATIONS

Torque : 196 N.m
Speed : 0~2,200 rpm
Motor : 14.4 VDC
Socket Retainer : 1/2"

SIZE

350 (L) x 180 (H) x 75 (W) mm

WEIGHT

1.6 kg (without battery)

ACCESSORIES

Double molded carrying case,
Battery and charger
(See P115 for selection)

FEATURES

The SB-3UK is a battery operated impact wrench especially designed to torque down the shear bolts for electrical connection use.

The tool features a unique shape to reduce its length for easy access to tight space.

It develops 196 N·m or 143 ft·lbs of torque and features variable speed to 2,200 rpm.

As it was designed for electrical work, there is no opening for air circulation. Continuous use will overheat and damage the tool. Rest the tool after 20 bolts are sheared.

REMARKS

Specify charger input voltage.

* Battery operated impact wrench for shear bolts
* 196 N·m or 143 ft·lbs torque
* Variable speed to 2,200 rpm
* 1/2" square drive
* Short body length for tight space application
* Well balanced and light weight
* Regular E-Robo series 14.4 V battery
* Quality backed by ISO 9001 Quality Management System

MODEL No.
BP-70I

Compatible with all 14.4V E-Robo series tools
1.3Ah Capacity

BP-70I Intelligent battery

BP-70I with CH-70DC 1H Charger

SPECIFICATIONS

Output voltage : 14.4 VDC
Capacity : 1.3Ah
Type : Nickel Cadmium
Charge time :
15 min with CH-35R or CH-35EMC
LED indicator : Capacity,
recharge cycles

SIZE

100 (L) x 137 (H) x 75 (W) mm

WEIGHT

750 g

FEATURES

"Smart" Replacement Battery

The BP-70I intelligent battery is the same as the BP-70R with the addition of LED display. The LED on the side of the battery allows the user to monitor the status of the battery's total life and power in between charges.

It also allows visual evaluation of battery power while in use.

When not used with the tool, just press the check button to get an instant read-out of charge remaining.

REMARKS

* The battery has a limited life. When capacity becomes about 1 / 2 of the original capacity, the battery should be replaced.

* If the battery is stored without being charged, natural drainage will cause the power to be reduced. Be sure to charge the battery every 3 months.

* The battery will need to be fully charged before first time use.

* Remaining battery capacity level To check remaining battery capacity level, press the check button. The remaining battery capacity level is displayed for about 5 seconds.
Recharge the battery when the bottom light starts to blink.

* Charging level
While the battery is charged, the indicator lights up as the capacity level increases.

* Number of charges
Keep pressing the check button for 10 seconds to show number of charges performed. LED pattern shows number in binary system.

MODEL No.
BP-70E

Compatible with all 14.4V E-Robo series tools
1.9 Ah Capacity

BP-70E High Capacity Battery

BP-70E (Orange latch for 1.9Ah)

SPECIFICATIONS

Output voltage : 14.4 VDC
Capacity : 1.9 Ah
Type : Nickel Cadmium
Charge time :
25 min with CH-35R or CH-35EMC

SIZE

100 (L) x 137 (H) x 70 (W) mm

WEIGHT

800 g

FEATURES

Standard Replacement Battery

The BP-70E is a standard replacement battery with high capacity of 1,900 mAh. Comparing with our BP-70R, it has 46% more of capacity. It means 46% more of crimp cycles and cutting cycles per charge.

The battery's life expectancy is approximately 600 recharges.

REMARKS

* The battery has a limited life. When capacity becomes about 1/2 of the original capacity, the battery should be replaced.

* If the battery is stored without being charged, natural drainage will cause the power to be reduced. Be sure to charge the battery every 3 months.

* When the battery is used for the first time, the battery will need to be fully charged before use.

* Cycles per charge will vary depending on the type and size of the material being cut or compressed.

MODEL No.

BP-70EI

Compatible with all 14.4V E-Robo series tools
1.9 Ah Capacity

BP-70EI High Capacity Intelligent Battery

BP-70EI (Orange latch for 1.9Ah)

SPECIFICATIONS

Output voltage : 14.4VDC
Capacity : 1.9Ah
Type : Nickel Cadmium
Charge time :
25 min with CH-35R or CH-35EMC
LED indicator : Capacity,
recharge cycles

SIZE

100 (L) x 137 (H) x 75 (W) mm

WEIGHT

820 g

FEATURES

The BP-70EI intelligent battery is the same as the BP-70E with the addition of LED display. The LED on the side of the battery allows the user to monitor the status of battery's total life and power in between charges.

Comparing with our BP-70R, it has 46% more of capacity. It means 46% more of crimp cycles and Cutting cycles per charge.

It also allows visual evaluation of battery power while in use or without use. When not used with the tool, just press the check button to get an instant read-out of charge remaining.

REMARKS

* The battery has a limited life, When capacity becomes about 1/2 of the original capacity, the battery should be replaced.
* If the battery is stored without being charged, natural drainage will cause the power to be reduced. Be sure to charge the battery every 3 months.
* When the battery is used for the first time, the battery will need to be fully charged before use.
* Remaining battery capacity level To check remaining battery capacity level, press the check button. The remaining battery capacity level is displayed for about 5 seconds.
  Recharge the battery when the bottom light starts to blink.
* Charging level
  While the battery is charged, the indicator lights up as the capacity level increases.
* Number of charges
  Keep pressing the check button for 10 seconds to show number of charges performed. LED pattern shows number in binary system.

MODEL No.
BP-70MH

Compatible with all 14.4 V E-Robo series tools
3.0Ah Capacity (Nickel-metal hydride battery)

BP-70MH High Capacity Battery

BP-70MH shown with CH-35R
(light blue Top Cover For 3.0 Ah)

SPECIFICATIONS

Output voltage : 14.4 VDC
Capacity : 3.0 Ah
Type :
Nickel-metal hydride battery
Charge time : 40 min with CH-35R or CH-35EMC

SIZE

100(L) x 140(H) x 70(W) mm

WEIGHT

850g

FEATURES

High Capacity Nickel metal hydride battery.

The BP-70MH is a standard replacement battery with high capacity of 3,000 mAh.
Comparing with our BP-70R, it has 230% more of capacity. It means 230% more of crimp cycles and cutting cycles per charge.
The battery's life expectancy is approximately 600 recharges.

REMARKS

* The battery has a limited life. When capacity becomes about 1/2 of the original capacity, the battery should be replaced.

* If the battery is stored without being charged, natural drainage will cause the power to be reduced. Be sure to charge the battery every 3 months.

* The battery will need to be fully charged before first time use.

* Cycles per charge will vary depending on the type and size of the material being cut or compressed.

MODEL No.
CH-3FC2

Regular battery charger

CH-3FC2 1 hour Charger

CH-3FC2 shown with BP-70R

SPECIFICATIONS

Input voltage : CH-3TC (120V),
CH-3FC2 (220V / 240V switchable)
Capacity : 50VA
Charge time :
1 hour for BP-70R or BP-70I,
90 minutes for BP-70E or BP-70EI,
3 hours for BP-250R1

SIZE

212 (L) x 95 (H) x 105 (W) mm

WEIGHT

1.9 kg

FEATURES

Standard One Hour Battery Charger

The CH-3FC2 is one hour charger for the BP-70R and BP-70I.

For the BP-70E and BP-70EI, charge time is 90 minutes.

REMARKS

* The LED indicator lights up and stays while charging.

* The indicator will go out when completed.

* It charges the BP-70R, BP-70I, BP-70E, BP-70EI only.
Do not use the charger for any other devices.

MODEL No.

CH-35R or CH-35EMC

40 minutes quick charger for BP-70MH

CH-35R 40 minutes Charger with BP-70MH

CH-35EMC shown with BP-70MH

SPECIFICATIONS

Input voltage :
CH-35R(120V)
CH-35EMC(230V)

Capacity :
CH-35R (220VA)
CH-35EMC (230VA)

SIZE

200(L) x 95(H) x 115(W)mm

WEIGHT

900g

FEATURES

40 Minutes Charger for High capacity battery, BP-70MH.

It also charges BP-70E and BP-70EI in 25 minutes.

CH-35R is UL and CSA listed.
CH-35EMC is an EMC approved charger in accordance with related CE and EMC directives.

REMARKS

Stand by - RED Blinking
Under charging - GREEN Lighting
Completion - ORANGE Lighting
High or Low temperature - RED Lighting
Refresh charging - GREEN Blinking
Life end of battery - RED fast Blinking
Charger out of order- NO Lighting

* It charges BP-70R, BP-70I, BP-70E, BP-70EI, BP-70MH only.
* Charge time
  15 min for BP-70R or BP-70I
  25 min for BP-70E or BP-70EI
  40 min for BP-70MH
* Refresh Charge time
  6 hours for BP-70R or BP-70I
  8 hours for BP-70E or BP-70EI
  10 hours for BP-70MH
* Do not use charger for any other devices.

MODEL No.
CH-70DCH

DC charger for E-Robo series batteries

CH-70DCH DC Charger with BP-70MH

CH-70DCH shown with BP-70MH

SPECIFICATIONS

Input voltage : 12VDC or 24 VDC
Rated input : 39 Watts

SIZE

200 (L) x 95 (H) x 115 (W) mm

WEIGHT

640 g

FEATURES

CH-70DCH is a 12/24V DC charger

Can be plugged directly into an automotive cigarette lighter socket and has a built in overload fuse protector

Engine should be running while charging the battery

REMARKS

* LED indicator lights up and stays on while charging

* Indicator will go out when completed

* Charges batteries BP-70R, BP-70I, BP-70E, BP70EI, BP-70MH. Do not use the charger for any other devices

* Charge time
  BP-70R, BP-70I : 45 minutes
  BP-70E, BP-70EI : 70 minutes
  BP-70MH : 100 minutes

* Quality backed by ISO 9001

MODEL No.
EP-150A

Non-insulated terminals :
14, 22, 38, 60, 70, 80, 100, 150 mm²

EP-150A

Crimped sample

SPECIFICATIONS

* Two stage pumping
* Relief value
* Reservoir capacity : 83cc

Output force :
90 kN

SIZE

512 (L) mm

WEIGHT

3.7 kg

ACCESSORIES

Dedicated Indentor :
14, 22, 38-70,
80-150 mm² (4 pieces),
Double molded
carrying case

FEATURES

The EP-150A is a hydraulic indenting tool for non-insulated terminals and sleeves up to 150mm².

When rolled-and-blazed connectors are installed, indenting crimp is applied. Indentation is made on the seam of connector for appropriate mechanical and electric characteristics of connected conductors.

The EP-150A is so designed that connected conductors meet JIS requirement as well as requirement for the tool itself.

REMARKS

* Unique two stage pumping for rapid ram advance

* Rotary nest for easy setting

MODEL No.
12A

Non-insulated terminals : 8, 14, 22, 38, 60, 70, 80, 100, 150, 180, 200, 325 mm²

12A

SPECIFICATIONS

Maximum input pressure: 700 bar
Oil volume required : 90 cc

Output force : 226 kN

SIZE

280 (L) mm

WEIGHT

7.5 kg

ACCESSORIES

Steel carrying case
with die tray

Crimped sample

FEATURES

The 12A is a hydraulic indenting head for non-insulated terminals and sleeves up to 325mm².

When rolled-and-blazed connectors are installed, indenting crimp is applied. Indentation is made on the seam of connector for appropriate mechanical and electric characteristics of connected conductors.

The 12A is designed so that connected conductors meet JIS requirement as well as requirement for the tool itself.

This tool requires an external 700 bar hydraulic pump.

REMARKS

Standard dies included
in the set :

Indentor : 22-60, 70-100,
150-325 mm² (3 pieces)
Nest : 60, 80, 100, 150, 180, 200,
325 mm² (7 pieces)

Optional dies sold separately :
Indentor : 8-14 mm²
Nest : 8, 14, 22, 38, 70 mm²

MODEL No.
AC-5ND

Insulated terminals : 2.0 mm² (blue)

AC-5ND

SPECIFICATIONS

Applicable air pressure :
0.48~0.58 Mpa
Air consumption : 34 liters/min at 30 crimps/min
Output force :
12.7 kN at 0.48 Mp air pressure

SIZE

215 (L) x 135 (H) x 90 (W) mm

WEIGHT

2.7 kg with Foot pedal

ACCESSORIES

Standard foot pedal

Jaws are sold separately

Example of AC-5ND Jaws

FEATURES

* Capable of crimping several types of terminals up to 5.5mm² with interchangeable jaws.

* Bench mounted, air operated AC-5ND is suitable for continuous crimping for production line.

AF2 foot pedal adjusts jaw butting time by air timer so that butting time is regulated regardless of operator.
This will prevent spring back of crimped terminal and maintain constant crimp heights.

REMARKS

Optional Jaw

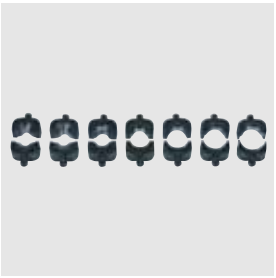
Jaw #	Applicable terminals

1 Jaw : Non-insulated 1.25, 2, 5.5 mm²
3 Jaw : Insulated 1.25 mm²
4 Jaw : Insulated 2 mm²
5 Jaw : Insulated 5.5 mm²
7A Jaw : Closed End 1.3-3, 2-6 mm²
F-200 Jaw : Tab 0.75-1.25, 2 mm²
Cutter Jaw : Cu, Al wire 7 mm O.D.

MODEL No.
15B

T-11 to T-122 Izumi C-Connectors

15B



Standard die sets (7 sets)

SPECIFICATIONS

Two stage Pumping
Reservoir capacity : 83 cc
Ram stroke : 15 mm

Force at die face :
59 kN

SIZE

465 (L) mm

WEIGHT

3.0 kg

ACCESSORIES

T-20, T-26, T-44, T-60,
T-76, T-98, T-122 dies

Double molded carrying case

FEATURES

The 15B hand hydraulic tool was designed to accommodate compressing Izumi C-Connectors up to T-122.

Light weight, slim design allows installation of C-Connectors in tight quarters.

Two stage pumping system minimizes pumping operation.

Rubber protected C Head and pump handle as well as fiberglass handle protect from accidental flash over.

REMARKS

Dies for smaller size connectors and non-insulated terminals available.

* Two stage pumping action for rapid ram advance

* Rubber C head cover for protection of accidental flash over

* Fiberglass handle (Body handle)

* Rubber protected pump handle

* 180 degree swivel head

* Optional dies:
1 Dies for C-Connectors
T-11 and T-16

2 Dies for non-insulated terminals
Indentors : 8-14, 22-60mm^2
Nest : 8, 14, 22, 38, 60mm^2

MODEL No.
16B

T-20 to T-365 Izumi C-Connectors

16B

16B shown with carrying case

SPECIFICATIONS

Oil volume required : 44 cc
Ram stroke : 25 mm

Force at die face :
118 kN

SIZE

286 (L) mm

WEIGHT

4.5 kg

ACCESSORIES

T-154, T-190, T-240,
T-288, T-365 dies

Steel carrying case

FEATURES

Dies for smaller size C-Connectors and non-insulated terminals available.

Optional dies :
1 Dies for C-Connectors
T-20, T-26, T-44, T-60, T-76, T-98, T-122

2 Dies for non-insulated terminals
Indentor : 8-14, 22-60, 70-100 mm^2
Nest : 8, 14, 22, 38, 60, 80, 100 mm^2

REMARKS

The #16B is a compression head designed to compress Izumi C-Connectors.

It has a 12 metric ton output suitable to compress C-Connectors up to T-365 (365 mm^2).

An external 700 bar or 10,000 PSI pumping source is required for operation.

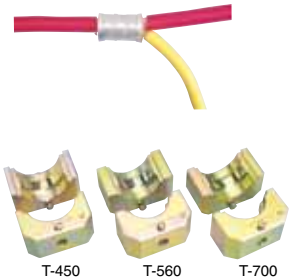
It comes with 5 sets of dies.
(T-154, T-190, T-240, T-288 and T-365)

COMPRESSION TOOLS FOR TAP-OFF CONNECTORS

To branch conductor from main run, compress IZUMI TAP-OFF CONNECTORS (C-CONNECTORS) by IZUMI COMPRESSION TOOLS exclusively designed for TAP-OFF purpose.

No.15B
for up to T-122

No.16B
for up to T-365



T-450 T-560 T-700

EP-520C
for up to T-700

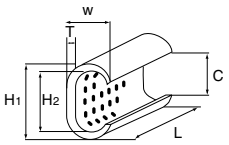
MODEL	TYPE	OUTPUT (kN)	WEIGHT (kgs)	LENGTH (mm)	APPLICABLE RANGE	DIES	STANDARD ACCESSORIES	REMARKS
NO.15B	Hand Hydraulic	59	3kgs	465	T-11~T-122	T-11*,T-16*,T-20,T-26,T-44 T-60,T-76,T-98,T-122	1.Plastic Case 2.Dies-7 sets(2pcs/set)	Dies for non-insulated terminals are availble on request. indentor:8~14,22~60 Nest Dies:8,14,22,38,60
NO.16B	Hydraulic Head	118	4.5kgs	284	T-20~T-365	T-20*,T-26*,T-44*,T-60* T-76*,T-98*,T-122*,T-154, T-190,T-240,T-288,T-365	1.Steel Case 2.Dies-5 sets(2pcs/set)	Indentor:8~14,22~60, 70~100 Nest Dies:8,14,22,38, 60,80,100
EP-520C	Hydraulic Head	294	17.3kgs	370	T-154~T-700	T-154*,T-190*,T-240*,T-288*, T-365*,T-450*,T-560*,T-700*	1.Steel Case Dies sold separately	

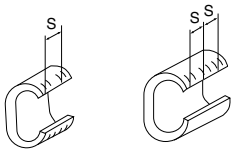
(*) Marks show OPTIONAL DIES (Available on request)

IZUMI TAP-OFF CONNECTOR (C-CONNECTOR)

The range of C-CONNECTORS are manufactured in'C' shaped copper section for connection of main and tap copper conductors.

- Approved by NTT corporation
- Reliability is ensured by passing tests specified by JIS C 2810
- Suitable for connectiong copper conductors in both indoor and outdoor such as wiring in building or wiring in tunnel
- Tin plated to avoid rusting



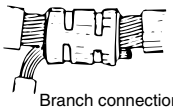


(T-11～ T-122) except T-20, T-26, T-44

(T-154～ T-700)

C-CONNECTOR SPECIFICATIONS

Connector Size	Dimensions(mm)						Installation		Total sectional area of applicable wire	Per Package
	H_1	H_2	W	L	T	C	# of Crimps	S		
T-11	9.5	6.3	6.2	12	1.6	4.0	2	7	7.5~11mm²	500
T-16	11.8	7.8	7.8	13	2.0	5.0	2	8	11.5~16	500
T-20	12.8	8.4	9.7	13	2.9	5.1	1	–	14~20	500
T-26	14.7	10.2	10.9	16	3.2	6.5	1	–	21~26	300
T-44	19.0	13.4	14.4	20	4.0	8.5	1	–	27~44	150
T-60	21.0	15.4	15.1	22	4.0	9.7	2	11	45~60	100
T-76	24.4	17.3	17.6	22	5.0	10.8	2	11	61~76	80
T-98	27.8	20.8	18.8	25	5.0	13.8	2	11	77~98	60
T-122	29.8	22.1	21.2	26	5.5	13.5	2	12	99~122	50
T-154	34.0	25.7	24.4	28	6.0	17.0	3	8.5	123~154	50
T-190	37.0	28.5	25.4	35	6.0	17.4	3	10.5	155~190	35
T-240	40.0	30.2	28.5	40	7.0	19.0	3	13	191~240	25
T-288	44.5	34.7	31.1	45	7.0	22.3	3	14.5	241~288	15
T-365	47.5	37.7	34.0	50	7.0	24.8	3	16	289~365	13
T-450	57.0	42.5	41.0	60	10.0	28.0	3	18.5	366~450	10
T-560	62.0	46.0	45.0	65	11.0	31.0	3	20	451~560	8
T-700	68.0	51.0	49.5	70	12.0	34.0	3	21	561~700	6



Branch connection

Parallel connection

COMBINATION CHART (Applicable range & Tool to be used)

Main Conductor \ Tap Conductor	2 (φ1.6)	3.5 (φ2.0)	5.5 (φ2.6)	8mm²	14	22	30	38	50	60	80	100	125	150	200	250	325
5.5(φ2.6)	11	11	11	16/20													
8mm²	11	16	16	16/20													
14	16/20	20	20	26	44												
22	26	26	44	44	44	44											
30	44	44	44	44	44	60	60										
38	44	44	44	60	60	60	76	76									
50	60	60	60	00	76	76	98	98	122								
60	76	76	76	76	76	98	98	98	122	122							
80	98	98	98	98	98	122	122	122	154	154	190						
100	122	122	122	122	122	122	154	154	154	190	190	240					
125	154	154	154	154	154	154	190	190	190	190	240	240	288				
150	154	154	154	154	154	154	190	190	240	240	240	288	288	365			
200	240	240	240	240	240	240	240	240	288	288	288	365	365	365	450		
250			288	288	288	288	288	288	365	365	365	365	450	450	450	560	
325			365	365	365	365	365	365	450	450	450	450	450	560	560	700	700
400							450	450	450	560	560	560	560	560	700	700	
500							560	560	560	560	700	700	700	700	700		
600								700	700	700	700	700					

Figures in Table show Connector Size T-

Tooling Guide: EH-2C No.15B No.16B EP520C

MODEL No.
CN-58A

Accepts BURNDY W dies

CN-58A

CN-58A shown with carrying case

SPECIFICATIONS

Ram stroke : 19 to 24 mm adjustable
Reservoir capacity: 60cc
Force at die face :
54 kN

SIZE

525 (L) x 130 (W) mm

WEIGHT

3.2 kg

ACCESSORIES

Double molded carrying case

FEATURES

The CN-58A was designed to accept both Burndy MD6 W insert dies and Kearney / Blackburn O type / OD58 insert dies.

C framed head allows side loading of connectors and will accommodate conductors up to 24 mm outer diameter.

Saddle dies are Kearney / Blackburn D insert or BURNDY MD6 D3 fixed. These dies can be changed with other Kearney/Blackburn dies.

If Burndy W dies are used, simply slip the Burndy W dies over the saddle dies D3.

REMARKS

Dies are sold separately.

* Light weight
* Slim design
* Adjustable ram stroke for smaller connectors
* Positive die hold screws
* Two speed pumping for rapid ram advance
* Built-in bypass relief valve for audible click when maximum pressure is reached

MODEL No.
EP-50

Accepts BEKU type dies
Up to 150 mm^2 Cu lug

EP-50

EP-50 (One hand operation to hold connector)

SPECIFICATIONS

Ram stroke : 15 mm
Reservoir capacity :60cc
Force at die face :
52 kN

SIZE

370 (L) x 130 (W) mm

WEIGHT

2.0 kg

ACCESSORIES

Double molded carrying case

FEATURES

The EP-50 was designed to accept dies for BEKU type mechanical tool widely used in European countries.

The light weight and slim design is ideal for close quarter application such as connection in the switch box.

Easy latch type closed head provides easy insertion and removal of connectors. The spring loaded pump handle allows one hand pumping until lower die holds connector between dies.

REMARKS

Dies are sold separately.

* Light weight, compact and slim design
* Accepts BEKU type dies
* Yoke and Latch type head for easy die changeover and easy removal of jointed conductor
* Adjustable ram stroke. 10 - 15mm to minimize pumping action
* Built-in bypass relief valve
* Small handle spread

MODEL No.
EP-410

Accepts existing **12 ton** U-type dies

EP-410

Bypass cartridge

SPECIFICATIONS

Ram Stroke : 25 mm
Reservoir Capacity : 124 cc

Force at die face :
106 kN

SIZE

585 (L) x 150 (W) mm

WEIGHT

6.0 kg

ACCESSORIES

Double molded carrying case

FEATURES

The EP-410, hand operated compression tool features a two stage rapid advance pumping system. It accepts all U type dies currently manufactured for 12 ton tools on the market.

Consult your connector manufacturer for exact cable, connector and die combinations.

When ordering dies, specify the manufacturer's die and connector numbers.

This tool was designed to accommodate U-type dies for applying compression fittings to copper, aluminum and ACSR conductor.

REMARKS

Dies are sold separately.
Specify the manufacturer's die and connector numbers.

* Two stage pumping action for rapid ram advance to the connector hold position with minimum pumping action
* Replaceable Dropout bypass valve cartridge for easy repair
* Fiberglass handles
* 180 degree swivel head
* Twist handle pressure release
* Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre and Blackburn 12 ton compressors
* Comes complete with double molded carrying case

MODEL No.
EP-H130

Accepts existing **12 ton** U-type dies,
dies for deep indent crimps

EP-H130H

SPECIFICATIONS

Ram stroke : 28 mm
Oil volume required : 51 cc
Force at die face :
120 kN

SIZE

317 (L) mm

WEIGHT

4.2 kg

ACCESSORIES

Steel carrying case with die tray

Example of dies

FEATURES

The EP-H130H is a H-head with a one inch jaw opening. It accepts all shell type dies and dies for deep indent crimps currently used in 12 ton tool on today's market.

A 68.5Mpa (10,000 PSI) external pump is required to operate this tool.

Consult your connector manufacturer for exact cable, connector and die combinations.

REMARKS

Dies are sold separately.
Specify the manufacturer's die and connector numbers.

* 25mm jaw opening

* Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre and Blackburn 12 ton compressors, as well as dies for deep indent crimps.

MODEL No.
EP-431

Accepts existing **12 ton** U-type dies

EP-431

EP-431 shown with carrying case

SPECIFICATIONS

Ram stroke : 31 mm
Reservoir capacity : 145 cc

Force at die face :
106 kN

SIZE

610 (L) x 150 (W) mm

WEIGHT

6.4 kg

ACCESSORIES

Double molded carrying case

FEATURES

The EP-431 is unique in that it has a large jaw opening of 31mm, and is able to splice 31mm outer diameter conductors.

This tool was designed for the electrical contractor and electric utility lineman who is confronted with larger cable diameter and larger connectors.

Most of the internal hydraulic components are the same as the EP-410 and the EP-510C.

This tool was designed to accommodate U-type dies for applying compression fittings to copper, aluminum and ACSR conductor.

REMARKS

Dies are sold separately.
Specify the manufacturer's die and connector numbers.

* Two stage pumping action for rapid ram advance to the connector hold position with minimum pumping action
* Replaceable Dropout bypass valve cartridge for easy repair
* Fiberglass handles
* 180 degree swivel head
* Twist handle pressure release
* Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre and Blackburn 12 ton compressors
* Comes complete with double molded carrying case

MODEL No.
EP-510C

Accepts existing **12 ton** U-type dies

EP-510C

EP-510C shown with PG-610 test gauge

SPECIFICATIONS

Ram stroke : 42 mm
Reservoir capacity : 200 cc

Force at die face : 118 kN

SIZE

644 (L) x 150 (W) mm

WEIGHT

8.0 kg

ACCESSORIES

Double molded carrying case

FEATURES

The EP-510C, hand operated compression tool features a two stage rapid advance pumping system. It accepts all U-type dies currently manufactured for 12 ton tools on the market.

The jaw opening of 42mm can accept larger splice up to 750KCM. Mid-span sleeve connection can be installed on larger cables and the cable can then be removed through the jaw opening.

Consult your connector manufacturer for exact cable, connector and die combinations.

Specify the manufacturer's die and connector numbers.

This tool was designed to accommodate U-type dies for applying compression fittings to copper, aluminum and ACSR conductor.

REMARKS

Dies are sold separately.
Specify the manufacturer's die and connector numbers.

* Two stage pumping action for rapid ram advance to the connector hold position with minimum pumping action

* Replaceable Dropout bypass valve cartridge for easy repair
* Fiberglass handles

* 180 degree swivel head

* Twist handle pressure release

* Accepts all dies used for Alcoa, Burndy, T&B and Blackburn 12 ton compressors

* Comes complete with double molded plastic case

MODEL No.
UC-6B

Up to 500KCM Anderson type connector

UC-6B

Connector in the tool

SPECIFICATIONS

Ram stroke : 29mm
Opening between nibs : 32 mm
Output force : 60 kN

SIZE

563 (L) mm

WEIGHT

5.0 kg

ACCESSORIES

Steel carrying case

FEATURES

The UC-6B dieless crimping tool was designed to install Anderson type connectors up to 500 KCM.

Three movable indenting nibs push connectors against the top fixed nib.
As a result, four indentations are made into the connector.

REMARKS

* Replaceable bypass cartridge
* External pressure adjustment
* Swivel head
* Fiberglass handles

NOTE :
The UC-6B was designed to crimp Anderson type connectors. Consult your connector manufacturer for dieless applications.

MODEL No.
UC-6FT2

Up to 750KCM Anderson type connector

UC-6FT2

SPECIFICATIONS

Ram stroke : 31.5 mm
Opening between nibs : 36 mm

Output force : 60 kN

SIZE

580 (L) mm

WEIGHT

5.6 kg

ACCESSORIES

Steel carrying case

UC-6FT2 (Flip-top head opened)

FEATURES

The UC-6FT2 flip-top dieless crimping tool was designed to install Anderson type connectors up to 750 KCM.

Three movable indenting nibs push connectors against the top fixed nib. As a result, four indentations are made into the connector.

Larger cables can be inserted and removed by opening the flip-top head.

REMARKS

* Replaceable Bypass cartridge
* External pressure adjustment
* Flip Top Head
* Fiberglass handles

NOTE :
The UC-6FT2 was designed to crimp Anderson type connectors. Consult your connector manufacturer for dieless applications.

MODEL No.
EP-50H

Accepts BEKU type dies
Up to 150 mm² Cu lug

EP-50H

SPECIFICATIONS

Ram stroke : 15 mm
Oil volume required : 18 cc
Force at die face : 52 kN

SIZE

250 (L) mm

WEIGHT

1.6 kg

ACCESSORIES

Steel carrying case with die tray

Example of dies

EP-50H shown with carrying case

FEATURES

The EP-50H was designed to accept dies for BEKU type mechanical tool widely used in European countries.

The light weight and slim design is ideal for close quarter application such as connection in the switch box.
(Only 1.6 kg)

Positive latch type closed head provides easy insertion and removal of connectors.

This tool requires an external 68.5Mpa hydraulic pump.

REMARKS

Dies are sold separately

* Light weight, compact and slim design
* Accepts BEKU type dies
* Yoke and Latch type head for easy die changeover and easy removal of jointed conductor
* Adjustable ram stroke. 10 - 15 mm
* Single acting 68.5Mpa hydraulic power source required

MODEL No.
EP-410H

Accepts existing **12 ton** U-type dies

EP-410H

SPECIFICATIONS

Ram stroke : 25 mm
Oil volume required : 42 cc
Force at die face :
114 kN

SIZE

285 (L) mm

WEIGHT

3.6 kg

ACCESSORIES

Steel carrying case with die tray

Example of dies

EP-410H shown with carrying case

FEATURES

The EP-410H is a traditional C-head with a one inch jaw opening. It accepts all U-type dies currently used in 12 ton tool on today's market.

A 68.5Mpa or 10,000 PSI external pump is required to operate this tool.

Consult your connector manufacturer for exact cable, connector and die combinations.

This tool was designed to accommodate shell type dies for applying compression fittings to copper, aluminum, and ACSR conductor.

REMARKS

Dies are sold separately
Specify the manufacturer's die and connector numbers.

* 25mm jaw opening

* Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre,and Blackburn 12 ton compressors

MODEL No.
EP-H130H

Accepts existing **12 ton** U-type dies,
dies for deep indent crimps

EP-H130H

SPECIFICATIONS

Ram stroke : 28 mm
Oil volume required : 51 cc
Force at die face :
120 kN

SIZE

317 (L) mm

WEIGHT

4.2 kg

ACCESSORIES

Steel carrying case with die tray

Die holder & U-type dies

EP-H130H shown with carrying case

FEATURES

The EP-H130H is a H-head with a one inch jaw opening. It accepts all shell type dies and dies for deep indent crimps currently used in 12 ton tool on today's market.

A 68.5Mpa (10,000 PSI) external pump is required to operate this tool.

Consult your connector manufacturer for exact cable, connector and die combinations.

REMARKS

Dies are sold separately.
Specify the manufacturer's die and connector numbers.

* 25mm jaw opening

* Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre and Blackburn 12 ton compressors, as well as dies for deep indent crimps.

MODEL No.
EP-431H

Accepts existing **12 ton** U-type dies

EP-431H

EP-431H shown with carrying case

SPECIFICATIONS

Ram stroke : 31 mm
Oil volume required : 50 cc
Force at die face :
106 kN

SIZE

340 (L) mm

WEIGHT

4.6 kg

ACCESSORIES

Steel carrying case with die tray

FEATURES

The EP-431H is a remote C-head that requires an external 68.5Mpa or 10,000 PSI pumping source for operation. This unit has a larger jaw opening than the EP-410H and EP-H130H.

The 31mm opening allows the user to compress larger splices up to 600KCM.

Consult your connector manufacturer for exact cable, connector and die combinations.

This tool was designed to accommodate U-type dies for applying compression fittings to copper, aluminum, and ACSR conductor.

REMARKS

Dies are sold separately.
Specify the manufacturer's die and connector number.

* 31mm jaw opening

* Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre, and Blackburn 12 ton compressors

MODEL No.

EP-510HC

Accepts existing **12 ton** U-type dies

EP-510HC

EP-510HC shown with carrying case

SPECIFICATIONS

Ram stroke : 42 mm
Oil volume required : 77 cc
Force at die face: 118 kN

SIZE

420 (L) mm

WEIGHT

5.7 kg

ACCESSORIES

Steel carrying case with die tray

FEATURES

The EP-510HC is a remote C-head that requires an external 68.5Mpa or 10,000 PSI pumping source. It accepts all U type dies used with conventional 12 ton compression tools.

The larger jaw opening of 42mm accepts conductors and mid-span sleeve connections up to 750KCM.

Consult your connector manufacturer for exact cable, connector and die combinations.

This tool was designed to accommodate U-type dies for applying compression fittings to copper, aluminum, and ACSR conductor.

REMARKS

Dies are sold separately.
Specify the manufacturer's die and connector numbers.

* 42mm jaw opening

* Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre, and Blackburn 12 ton compressors

MODEL No.
EP-610HS2

Accepts BURNDY P dies
as well as **12 ton** U-type dies

EP-610HS2 shown with die adapter

SPECIFICATIONS

Ram stroke : 50 mm
(45 mm with die adapter)
Oil volume required : 100 cc
Force at die face :
139 kN

SIZE

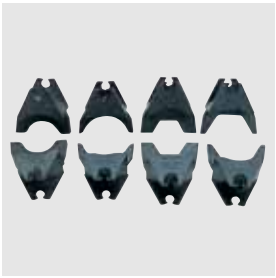
375 (L) mm

WEIGHT

6.9 kg

ACCESSORIES

Steel carrying case with die tray



Example of dies

EP-610HS2 shown with carrying case

FEATURES

The EP-610HS2 is a remote C-head that requires an external 68.5Mpa or 10,000 PSI pumping source.

It accepts Burndy P-type dies used in the Y46. When used with PU-Adapter, it will accept all U-type dies used with any 12 ton tool.

Consult your connector manufacturer for exact cable, connector and die combinations.

REMARKS

Dies are sold separately.
Specify the manufacturer's die and connector numbers.

* 50mm jaw opening

*Accepts Burndy P type dies

*Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre, and Blackburn 12 ton compressors when used with P-U Adapter

MODEL No.
LP-430B

Accepts existing **12 ton** U-type dies

LP-430B

Example of dies

SPECIFICATIONS

Jaw Opening : 30mm

Force at die face :
110 kN

SIZE

127 (Dia) x 557 (L) mm

WEIGHT

8.4 kg

FEATURES

The LP-430B hydraulic tool is directly powered by PTO (Power Take Off) from utility bucket trucks or any vehicle with a low pressure hydraulic circuit having Line pressure of 13.7Mpa or 2,000 PSI and a maximum flow of 35 liters/min.or 9 GPM.

The LP-430B is designed to operate with either Open-Center or Closed Center hydrarlic system by rotating the head to the position.

The LP-430B has the same compression head as the EP-431 so that dies are interchangeable with all 12 ton U-type dies.

It has built-in relief valve to prevent overloading the tool from more than 13.7Mpa or 2,000 PSI of input pressure.

LP-430B is fitted with a two step safety trigger to assist in eliminating accidenta l operation.

Trigger guard is rubber coated to protect user against sharp edges.

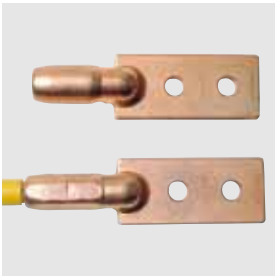
REMARKS

* Low pressure hydraulic compression tool
* Direct power input from truck PTO
* Relief setting at 13.7Mpa (2,000 PSI)
* Suitable for bucket truck use
* Specify the manufacturer's die and connector numbers

MODEL No.
EP-520C

Up to 500 mm² Copper Conductor,
590mm² Aluminum Conductor

EP-520C



Compressed sample

FEATURES

The EP-520C is a single acting, 294kN press that is designed to compress Aluminum sleeves and lugs up to 590mm².

The EP-520C remote head requires an external 68.5Mpa or 10,000 PSI pumping source.

Simple and rigid frame type construction makes the press lighter yet durable.

SPECIFICATIONS

Ram stroke : 26mm between dies
Oil volume required : 132 cc

Output Force : 294 kN

SIZE

125 (Dia) x 380 (H) mm

WEIGHT

17.5 kg

ACCESSORIES

Steel Carrying case
Dies
(See P131 for selection)

REMARKS

Dies are sold separately.
* Specify the manufacturer's die and connector numbers.

* Simple and compact design

* Yoke type head

* 30 metric ton output

* Positive die locking mechanism

MODEL No.
EP-60S

Accepts existing **60 ton** U-type dies
Max. connector diameter : Approx. 60mm

EP-60S

EP-60S shown with HPE-4M

SPECIFICATIONS

Ram stroke : 38.5 mm
Oil volume required : 303 cc

Force at die face : 540 kN (60 short ton) at 68.5Mpa (10,000 PSI) of oil pressure

SIZE

146 (Dia) x 450 (H) mm with Ground stand

WEIGHT

22.0 kg

ACCESSORIES

Steel carrying case, Ground stand

Option :
Die adapter for 12 ton U-type dies

FEATURES

The EP-60S compression head was designed as a portable tool for installing compression sleeves and terminals for transmission construction and maintenance work.

It operates in any position and gives 540 kN of working force to accept commercial compression joints used for transmission construction.

REMARKS

Dies are sold separately.

* Accepts all dies used for Alcoa, 60 ton compressors
* Specify the manufacturer's die and connector numbers
* Portable and light weight
* Detachable ground stand as a standard accessory
* Large handle for easy carrying
* Single acting hydraulic pump required.

MODEL No.
EP-60D

Accepts existing **60 ton** U-type dies
Max. connector diameter : Approx. 60mm

EP-60D

EP-60D shown with HPE-4

FEATURES

The EP-60D is a double acting 60 ton press. The benefits of double acting tools are fast ram retraction and elimination of the possibility of the tool jamming.

Double acting means hydraulically advancing and retracting the ram. When retracting the ram, a 4 way valve reroutes the hydraulic path to the retracting chamber.

It ensures the ram retracts hydraulically. As a result, the possibility of connector jamming is eliminated and at the same time the ram is retracted much faster. Ram retracting time is 1/3 of spring return EP-60S.

SPECIFICATIONS

Ram stroke : 38.5 mm
Oil volume required : 303 cc

Force at die face : 517kN at
68.5Mpa (10,000 PSI) of oil pressure

SIZE

260 (Dia) x 446 (H) mm with
Ground stand

WEIGHT

23.0 kg

ACCESSORIES

Steel carrying case, Ground stand

Option :
Die adapter for 12 ton U-type dies

REMARKS

Dies are sold separately.

* Specify the manufacturer's die and connector numbers
* Accepts all dies used for Alcoa, 60 ton compressors
* Portable and light weight
* Detachable ground stand as a standard accessory
* Large handle for easy carrying
* Double acting hydraulic pump required.
  The HPE-4 or HPE-4M is recommended to operate the EP-60D
* No connector jamming
* Porting : 1/4" NPSM Parker type male & female couplers
* 3/8 BI type coupling available on order

MODEL No.
EP-100W

Max connector outer diameter : Approx. 75 mm
100 ton class compression head

EP-100W

SPECIFICATIONS

Ram stroke : 22 mm
Oil volume required : 230 cc

Output force : 980 kN

SIZE

200 (Dia) x 359 (H) mm

WEIGHT

32.0 kg

EP-100W shown with HPE-4

FEATURES

The EP-100W is a 100 ton class compression head for full tension, transmission and substation connections and require an external double acting 68.5Mpa pumping source.

Double acting means hydraulically advancing the ram to build proper tonnage, then the hydraulic pressure is reversed to retract the ram. It expedites ram retracting time.

Removable die cap design helps operator with easy insertion and removal of the connector.

Dies are exclusive to this model not interchangeable with other make.

REMARKS

Dies are sold separately.

* Specify the manufacturer's die and connector numbers.
* Light weight
* Removable die cap for easy connector positioning
* Simple design for easy maintenance
* Double acting hydraulic pump required
* The HPE-4 or HEP-4M Engine driven hydraulic pump is recommended to operate the EP-100W

MODEL No.
EP-200W

Max connector outer diameter : Approx. 100 mm
200 ton class compression head

EP-200W

EP-200W shown with HPE-4

SPECIFICATIONS

Ram stroke : 40 mm
Oil volume required : 1,134 cc

Output force : 1,960 kN

SIZE

270 (Dia) x 415 (H) mm

WEIGHT

86.0 kg

FEATURES

The EP-200W is a 200 ton class compression head which accepts shell type dies exclusively designed for the EP-200W. It requires an external double acting 68.5Mpa pumping source.

Double acting means hydraulically advancing the ram to build proper tonnage, then the hydraulic pressure is reversed to retract the ram. It expedites ram retracting time as well as connector binding between dies.

Removable die cap design helps operator an easy insertion and removable of the connector.

REMARKS

Dies are sold separately.

* Specify the manufacturer's die and connector numbers.
* Light weight
* Removable die cap for easy connector positioning
* Simple design for easy maintenance
* Double acting hydraulic pump required
* The HPE-4 or HPE-4M Engine driven hydraulic pump is recommended to operate the EP-200W

S-200

Cuts steel materials as well as cables up to 20 mm

S-200

S-200 (Latch opened)

SPECIFICATIONS

Maximum handle load : 235 N
Single stage pumping
Relief valve is not equipped
Reservoir capacity : 60 cc
Maximum opening : 22 mm
Pumping cycles when no load : 39 times

Output force : 66 kN

SIZE

400 (L) mm

WEIGHT

3.0 kg

ACCESSORIES

Carrying bag

FEATURES

Light weight portable hydraulic cutter features :

* Guillotine type cutting for less jamming than shear type cutting

* No set-up time required

* Blades are easily replaceable

* 180 degree swivel and latch type head allows easy cutting position

REMARKS

Cutting of piano wire is prohibited.

Cutting capacity

Wire rope 6 x 7	: 16 mm
Wire rope 6 x 12	: 20 mm
Wire rope 6 x 19	: 20 mm
Soft steel bar	: 16 mm
Reinforcing rod	: 13 mm
Cu strands	: 20 mm
Al strands	: 20 mm
ACSR	: 21 mm
Guy wire 1 x 7	: 16 mm
Guy wire 1 x 19	: 16 mm
CCP cable	: N/A

MODEL No.
S-240

Cuts steel materials as well as cables up to 24 mm

S-240

S-240 (Latch opened)

SPECIFICATIONS

Maximum handle load : 226 N
Two stage pumping
Relief valve is not equipped
Reservoir capacity : 120 cc
Maximum opening : 24 mm
Pumping cycles when no load : 13 times

Output force : 84 kN

SIZE

475 (L) mm

WEIGHT

4.9 kg

ACCESSORIES

Carrying bag

FEATURES

Light weight portable hydraulic cutter features :

* Two stage pumping for rapid blade advance
* Guillotine type cutting for less jamming than shear type cutting
* No set-up time required
* Blades are easily replaceable
* 180 degree swivel and latch type head allows easy cutting position

REMARKS

Cutting of piano wire is prohibited.

Cutting capacity

Wire rope 6 x7	: 18 mm
Wire rope 6 x12	: 24 mm
Wire rope 6 x 19	: 24 mm
Soft steel bar	: 20 mm
Reinforcing rod	: 16 mm
Cu strands	: 24 mm
Al strands	: 24 mm
ACSR	: 24 mm
Guy wire 1 x7	: 20 mm
Guy wire 1 x 19	: 20 mm
CCP cable	: N/A

MODEL No.
S-320

Cuts heavy steel materials up to 32 mm

S-320

S-320 shown with Reinforcing rod

FEATURES

Light weight portable hydraulic cutter features :

* Two stage pumping for rapid blade advance
* Safety relief valve for overload protection
* Guillotine type cutting for less jamming than shear type cutting
* No set-up time required
* Blades are easily replaceable
* 180 degree swivel and latch type head allows easy cutting position

SPECIFICATIONS

Maximum handle load : 276 N
Two stage pumping
Relief valve is equipped
Reservoir capacity : 202 cc
Maximum opening : 35 mm
Pumping cycles when no load : 20 times

Output force : 194 kN

SIZE

580 (L) mm

WEIGHT

12.0 kg

ACCESSORIES

Carrying bag

REMARKS

Cutting of piano wire is prohibited.

Cutting capacity

Wire rope 6 x7	: 32 mm
Wire rope 6 x12	: 32 mm
Wire rope 6 x 19	: 32 mm
Soft steel bar	: 25 mm
Reinforcing rod	: 25 mm
Cu strands	: 32 mm
Al strands	: 32 mm
ACSR	: 32 mm
Guy wire 1 x7	: 32 mm
Guy wire 1 x 19	: 32 mm
CCP cable	: N/A

MODEL No.
S-400

Cuts steel materials as well as cables up to 41 mm

S-400

S-400 (Head opened)

SPECIFICATIONS

Maximum handle load : 196 N
Two stage pumping
Relief valve is not equipped
Reservoir capacity : 120 cc
Maximum opening : 42 mm
Pumping cycles when no load : 17 times

Output force : 55 kN

SIZE

575 (L) mm

WEIGHT

5.8 kg

ACCESSORIES

Carrying bag

FEATURES

Light weight portable hydraulic cutter features :

* Two stage pumping for rapid blade advance
* Guillotine type cutting for less jamming than shear type cutting
* No set-up time required
* Blades are easily replaceable
* 180 degree swivel and lock pin type head allows easy cutting position

REMARKS

Cutting of piano wire is prohibited.

Cutting capacity

Wire rope 6 x7	: 22 mm
Wire rope 6 x12	: 25 mm
Wire rope 6 x 19	: 25 mm
Soft steel bar	: 20 mm
Reinforcing rod	: 16 mm
Cu strands	: 41 mm
Al strands	: 41 mm
ACSR	: 38 mm
Guy wire 1 x7	: 15 mm
Guy wire 1 x 19	: 20 mm
CCP cable	: N/A

MODEL No.
S-550

Cuts steel materials as well as cables up to 54 mm

S-550

S-550 (Head opened)

SPECIFICATIONS

Maximum handle load : 276 N
Two stage pumping
Relief valve is equipped
Reservoir capacity : 202 cc
Maximum opening : 54 mm
Pumping cycles when no load : 25 times

Output force : 124 kN

SIZE

625 (L) mm

WEIGHT

10.0 kg

ACCESSORIES

Carrying bag

FEATURES

Light weight portable hydraulic cutter features :

* Two stage pumping for rapid blade advance
* Safety relief valve for overload protection
* Guillotine type cutting for less jamming than shear type cutting
* No set-up time required
* Blades are easily replaceable
* 180 degree swivel and lock pin type head allows easy cutting position

REMARKS

Cutting of piano wire is prohibited.

Cutting capacity

Wire rope 6 x7	: 25 mm
Wire rope 6 x12	: 30 mm
Wire rope 6 x 19	: 30 mm
Soft steel bar	: 22 mm
Reinforcing rod	: 20 mm
Cu strands	: 54 mm
Al strands	: 54 mm
ACSR	: 54 mm
Guy wire 1 x7	: 15 mm
Guy wire 1 x 19	: 20 mm
CCP cable	: N/A

MODEL No.
850

Cuts cables up to 85 mm

850

850 (Head opened)

FEATURES

Light weight portable hydraulic cutter features :

* Two stage pumping for rapid blade advance
* Guillotine type cutting for less jamming than shear type cutting
* No set-up time required
* Blades are easily replaceable
* 180 degree swivel and lock pin type head allows easy cutting position

SPECIFICATIONS

Maximum handle load : 196 N
Two stage pumping
Relief valve is not equipped
Reservoir capacity : 120 cc
Maximum opening : 88 mm
Pumping cycles when no load : 20 times

Output force : 39 kN

SIZE

710 (L) mm

WEIGHT

8.2 kg

ACCESSORIES

Carrying bag

REMARKS

Cutting of piano wire is prohibited.

Cutting capacity

Cu strands	: 28 mm
Al strands	: 38 mm
CCP cable	: 85 mm
Wire rope 6 x7	: N/A
Wire rope 6 x12	: N/A
Wire rope 6 x 19	: N/A
Soft steel bar	: N/A
Reinforcing rod	: N/A
ACSR	: N/A
Guy wire 1 x7	: N/A
Guy wire 1 x 19	: N/A

MODEL No.
SP-20A

Cuts steel materials as well as cables up to 20 mm

SP-20A

SPECIFICATIONS

Maximum input pressure : 68.5 Mpa
Oil volume required : 18 cc

Output force : 44 kN

SIZE

240 (L) mm

WEIGHT

2.3 kg

ACCESSORIES

Carrying bag

FEATURES

The SP-20A hydraulic cutter head features :

* Fast cutting with remote operation
* It can be operated by any hydraulic pump with rated oil pressure of 68.5 Mpa (10,000 PSI)
* Equipped with PT 3/8" threaded Izumi high pressure couplers
* PT-NPT adapters are available on request for NPT 3/8" threaded couplers
* Blades are easily replaceable
* Flip-top latch for easy insertion of cutting material

REMARKS

Cutting of piano wire is prohibited.

Cutting capacity

Wire rope 6 x 7	: 16 mm
Wire rope 6 x 12	: 20 mm
Wire rope 6 x 19	: 20 mm
Soft steel bar	: 16 mm
Reinforcing rod	: 13 mm
Cu strands	: 20 mm
Al strands	: 20 mm
ACSR	: 21 mm
Guy wire 1 x 7	: 15 mm
Guy wire 1 x 19	: 16 mm
CCP cable	: N/A

MODEL No.
SP-24

Cuts steel materials as well as cables up to 24 mm

SP-24

SPECIFICATIONS

Maximum input pressure : 68.5 Mpa
Oil volume required : 33 cc

Output force : 86 kN

SIZE

245 (L) mm

WEIGHT

3.1 kg

ACCESSORIES

Carrying bag

FEATURES

The SP-24 hydraulic cutter head features :

* Fast cutting with remote operation
* It can be operated by any hydraulic pump with rated oil pressure of 68.5 Mpa (10,000 PSI)
* Equipped with PT 3/8" threaded Izumi high pressure couplers
* PT-NPT adapters are available on request for NPT 3/8" threaded couplers
* Blades are easily replaceable
* Flip-top latch for easy insertion of cutting material

REMARKS

Cutting of piano wire is prohibited.

Cutting capacity

Wire rope 6 x 7	: 18 mm
Wire rope 6 x 12	: 24 mm
Wire rope 6 x 19	: 24 mm
Soft steel bar	: 20 mm
Reinforcing rod	: 16 mm
Cu strands	: 24 mm
Al strands	: 24 mm
ACSR	: 24 mm
Guy wire 1 x 7	: 20 mm
Guy wire 1 x 19	: 20 mm
CCP cable	: N/A

MODEL No.
SP-32

Cuts heavy duty steel materials up to 32 mm

SP-32

SPECIFICATIONS

Maximum input pressure : 68.5 Mpa
Oil volume required : 135 cc

Output force : 250 kN

SIZE

300 (L) mm

WEIGHT

10.0 kg

ACCESSORIES

Carrying bag

FEATURES

The SP-32 hydraulic cutter head features :

* Fast cutting with remote operation
* It can be operated by any hydraulic pump with rated oil pressure of 68.5 Mpa (10,000 PSI)
* Equipped with PT 3/8" threaded Izumi high pressure couplers
* PT-NPT adapters are available on request for NPT 3/8" threaded couplers
* Blades are easily replaceable
* Flip-top latch for easy insertion of cutting material

REMARKS

Cutting of piano wire is prohibited.

Cutting capacity

Wire rope 6 x 7	: 32 mm
Wire rope 6 x 12	: 32 mm
Wire rope 6 x 19	: 32 mm
Soft steel bar	: 25 mm
Reinforcing rod	: 25 mm
Cu strands	: 32 mm
Al strands	: 32 mm
ACSR	: 32 mm
Guy wire 1 x 7	: 32 mm
Guy wire 1 x 19	: 32 mm
CCP cable	: N/A

MODEL No.
SP-40A

Cuts steel materials as well as cables up to 41 mm

SP-40A

SPECIFICATIONS

Maximum input pressure : 68.5 Mpa
Oil volume required : 50 cc

Output force : 68 kN

SIZE

340 (L) mm

WEIGHT

4.0 kg

ACCESSORIES

Carrying bag

FEATURES

The SP-40A hydraulic cutter head features :

* Fast cutting with remote operation
* It can be operated by any hydraulic pump with rated oil pressure of 68.5 Mpa (10,000 PSI)
* Equipped with PT 3/8" threaded Izumi high pressure couplers
* PT-NPT adapters are available on request for NPT 3/8" threaded couplers
* Blades are easily replaceable
* Lock pin type cutter head

REMARKS

Cutting of piano wire is prohibited.

Cutting capacity

Wire rope 6 x 7	: 22 mm
Wire rope 6 x 12	: 25 mm
Wire rope 6 x 19	: 25 mm
Soft steel bar	: 20 mm
Reinforcing rod	: 16 mm
Cu strands	: 41 mm
Al strands	: 41 mm
ACSR	: 38 mm
Guy wire 1 x 7	: 15 mm
Guy wire 1 x 19	: 20 mm
CCP cable	: N/A

MODEL No.
SP-55A

Cuts steel materials as well as cables up to 55 mm

SP-55A

SPECIFICATIONS

Maximum input pressure : 68.5 Mpa
Oil volume required : 120 cc

Output force : 118 kN

SIZE

415 (L) mm

WEIGHT

9.0 kg

ACCESSORIES

Carrying bag

FEATURES

The SP-55A hydraulic cutter head features :

* Fast cutting with remote operation
* It can be operated by any hydraulic pump with rated oil pressure of 68.5 Mpa (10,000 PSI)
* Equipped with PT 3/8" threaded Izumi high pressure couplers
* PT-NPT adapters are available on request for NPT 3/8" threaded couplers
* Blades are easily replaceable
* Lock pin type cutter head

REMARKS

Cutting of piano wire is prohibited.

Cutting capacity

Wire rope 6 x 7	: 25 mm
Wire rope 6 x 12	: 30 mm
Wire rope 6 x 19	: 30 mm
Soft steel bar	: 22 mm
Reinforcing rod	: 19 mm
Cu strands	: 50 mm
Al strands	: 50 mm
ACSR	: 50 mm
Guy wire 1 x 7	: 15 mm
Guy wire 1 x 19	: 20 mm
CCP cable	: N/A

MODEL No.
P-60

Cuts Al & Cu cables up to 60 mm

P-60

SPECIFICATIONS

Maximum input pressure : 68.5Mpa

Oil volume required :71 cc

Maximum opening : 60 mm

Output force : 79 kN

SIZE

410 (L) mm

WEIGHT

5.2 kg

ACCESSORIES

Carrying bag

FEATURES

The P-60 portable hydraulic cutter head features :

* Fast cutting with remote operation
* Guillotine type cutting for less jamming than shear type cutting
* It can be operated by any hydraulic pump with rated oil pressure of 68.5 Mpa (10,000 PSI)
* Equipped with NPT 3/8" threaded Parker type high pressure coupler
* Blades are easily replaceable
* Lock pin type cutter head

REMARKS

Cutting of piano wire is prohibited.

Cutting capacity

Cu strands	: 60 mm
Al strands	: 60 mm
CCP cable	: 60 mm
Wire rope 6 x7	: N/A
Wire rope 6 x12	: N/A
Wire rope 6 x 19	: N/A
Soft steel bar	: N/A
Reinforcing rod	: N/A
ACSR	: N/A
Guy wire 1 x7	: N/A
Guy wire 1 x 19	: N/A

MODEL No.
P-85

Cuts Al & Cu cables up to 85 mm

P-85

SPECIFICATIONS

Maximum input pressure : 68.5Mpa
Oil volume required : 65 cc

Output force : 40 kN

SIZE

460 (L) mm

WEIGHT

7.2 kg

ACCESSORIES

Carrying bag

FEATURES

The P-85 hydraulic cutter head features :

* Fast cutting with remote operation
* It can be operated by any hydraulic pump with rated oil pressure of 68.5 Mpa (10,000 PSI)
* Equipped with PT 3/8" threaded Izumi high pressure couplers
* PT-NPT adapters are available on request for NPT 3/8" threaded couplers
* Blades are easily replaceable
* Lock pin type cutter head

REMARKS

Cutting of piano wire is prohibited.

Cutting capacity

Cu strands	: 28 mm
Al strands	: 38 mm
CCP cable	: 85 mm
Wire rope 6 x 7	: N/A
Wire rope 6 x 12	: N/A
Wire rope 6 x 19	: N/A
Soft steel bar	: N/A
Reinforcing rod	: N/A
ACSR	: N/A
Guy wire 1 x 7	: N/A
Guy wire 1 x 19	: N/A

MODEL No.
P-100A

Cuts Al & Cu cables up to 100 mm

P-100A

SPECIFICATIONS

Maximum input pressure : 68.5Mpa
Oil volume required : 140 cc

Output force : 74 kN

SIZE

590 (L) mm

WEIGHT

13.2 kg

ACCESSORIES

Carrying bag

FEATURES

The P-100A hydraulic cutter head features :

* Fast cutting with remote operation

* It can be operated by any hydraulic pump with rated oil pressure of 68.5 Mpa (10,000 PSI)

* Equipped with PT 3/8" threaded Izumi high pressure couplers

* PT-NPT adapters are available on request for NPT 3/8" threaded couplers

* Blades are easily replaceable

* Lock pin type cutter head

REMARKS

Cutting of piano wire is prohibited.

Cutting capacity

Cu strands	: 42 mm
Al strands	: 46 mm
CCP cable	: 100mm
Wire rope 6 x 7	: N/A
Wire rope 6 x 12	: N/A
Wire rope 6 x 19	: N/A
Soft steel bar	: N/A
Reinforcing rod	: N/A
ACSR	: N/A
Guy wire 1 x 7	: N/A
Guy wire 1 x 19	: N/A

MODEL No.
P-132

Cuts insulated cables up to 132 mm

P-132

SPECIFICATIONS

Maximum input pressure : 68.5Mpa (10.000 PSI)
Oil volume required : 220 cc

Output force : 95 kN

SIZE

630 (L) mm

WEIGHT

12.0 kg

ACCESSORIES

Carrying bag

P-132 shown with P-60

FEATURES

P-132 hydraulic cutter head features :

* Cuts underground or armored cables (depends on type)
* Fast cutting with remote operation
* Guillotine type cutting for less jamming than shear type cutting
* 132mm jaw opening accepts larger size cables
* Can be operated by any hydraulic pump with rated oil pressure of 68.5 Mpa (10,000 PSI)
* Equipped with NPT 3/8" threaded Parker type high pressure couplers
* Blades are easily replaceable
* Lock pin type cutter head

REMARKS

Cutting of piano wire is prohibited.

Cutting capacity

Cu strands	: 42 mm
Al strands	: 46 mm
Wire rope 6x7	: N/A
Wire rope 6x12	: N/A
Wire rope 6x19	: N/A
Soft steel bar	: N/A
Reinforcing rod	: N/A
ACSR	: N/A
Guy wire 1x7	: N/A
Guy wire 1x19	: N/A

*Quality backed by ISO 9001

MODEL No.

YSP-30B

Al strands : 28 mm (240 mm²)
Cu strands : 28 mm (250 mm²)
ACSR: 19 mm (120 mm²) (Single strand steel core)

YSP-30B

YSP-30B with 3-60mm² cables

SPECIFICATIONS

Maximum input pressure :
68.5 Mpa

Oil volume required : 18 cc

Output force : 63 kN

SIZE

320 (L) mm

WEIGHT

3.2 kg

ACCESSORIES

Carrying bag

FEATURES

The YSP-30B hydraulic scissors type cutter head is ideal for close quarter work and bucket truck applications where the open jaw cutter can easily grab and cut the cables.

Scissors type cutting gives clean cut with a minimal amount of cable distortion, which allows for easy connector installation on cables.

The YSP-30B remote head requires an external, high pressure, 68.5Mpa (10,000 PSI) pumping source.

REMARKS

* Scissors type cutter

* Fast remote operation

* Light weight and compact

* 30mm opening between blades

MODEL No.
P-85YC

Cuts electric cables up to 85 mm

P-85YC

FEATURES

The P-85YC scissors type cutter head was designed to cut various cables used in the industry today.

It can cut Cu and Al cables up to 60mm and CCP cables up to 85mm.

The scissors type cutter head provides exceptional ease of use and maneuverability when making many cuts. It can cuts the cables with a minimum amount of distortion.

The P-85YC remote head requires an external, high pressure, 68.5Mpa (10,000 PSI) pumping source.

SPECIFICATIONS

Maximum input pressure :
68.5 Mpa

Oil volume required:50 cc

Ram stroke : 43.5 mm

Output force : 73.5 kN

SIZE

455 (L) x 200 (H) x 120 (W) mm

WEIGHT

4.8 kg

ACCESSORIES

Carrying bag

REMARKS

Cutting capacity :

Material

Polyethylene cable
600V-CV325 mm^2 (60 mm OD)
3 core
600V-CV150 mm^2 (46 mm OD)
3 core
600V-CV500 mm^2 (38 mm OD)

Multi-core vinyl insulation cable
VVR150 mm^2 (47 mm OD)
3 core

CCP Cable (85 mm OD)

Lead sheathed cable (85 mm OD)

MODEL No.
S-32CC1

Soft steel bar : 19 mm Re-bar : 19 mm
Al or Cu rod : 25 mm

S-32CC1

FEATURES

The S-32CC1 hydraulic cutter was specially designed to cut the toughest EHS guy wire, ground and anchor rods.

The anvil style, center cut blades eliminate jamming problems common to shear type cutters, and the blades are easily replaced in the field.

The tool is made of high grade steel and has rubber handle grips.

A flip-top latch opens the tool jaw to accept material to cut easily.

SPECIFICATIONS

Maximum handle force : 284 N
Reservoir capacity : 165 cc
No relief value equipped
Output force : 191 kN

SIZE

685 (L) mm

WEIGHT

10.2 kg

ACCESSORIES

Carrying bag

REMARKS

* Heavy duty head design
* Easily replaceable blades
* Butting type cut for solid materials (Chain, Steel bar, Guy wire, Re-bar)
* Flip-top latch for easy insertion of cutting material

MODEL No.
HP-180N

Rated pressure : 0 - 59 Mpa

HP-180N

HP-180N shown with SH-10

SPECIFICATIONS

Oil delivery : 0.9 cc / stroke

Reservoir capacity : 180 cc

SIZE

320 (L) x 80 (W) x 120 (H) mm

WEIGHT

3.7 kg

ACCESSORIES

1 m hydraulic hose attached

FEATURES

The HP-180N is ideal for SH-10 Punch driver or any small remote heads requiring less than 180 cc of oil volume.

Since the HP-180N does not have a relief valve, it cannot be used with any compression heads which require a relief valve to ensure a constant compression every time.

REMARKS

Relief valve not equipped.

* Bladder type oil reservoir allows operation in any position

* Single stage pumping

MODEL No.
HP-700A

Rated pressure : 68.5 Mpa or 10,000 PSI

HP-700A

SPECIFICATIONS

Oil delivery :
10.5 cc / stroke at low pressure
1.5 cc / stroke at high pressure

Reservoir capacity : 720 cc

SIZE

590 (L) x 130 (W) x 160 (H) mm

WEIGHT

9.6 kg

ACCESSORIES

2 m hydraulic hose attached

Bypass cartridge

FEATURES

The HP-700A hand pump has a two speed pump piston for rapid advance and an external adjustable pressure setting up to 68.5Mpa.

Our exclusive replaceable, bypass cartridge is standard in the HP-700A.

An internal oil bladder allows the HP-700A to be used in any position. (Even pump head upward)

REMARKS

* Two stage pumping action for rapid ram advance

* Replaceable Dropout bypass valve cartridge for easy repair

* Economical yet dependable hand hydraulic pump

MODEL No.
FP-700A

Rated pressure : 68.5 Mpa or 10,000 PSI

FP-700A

SPECIFICATIONS

Oil delivery :
10.5 cc / stroke at low pressure
1.5 cc / stroke at high pressure

Reservoir capacity : 720 cc

SIZE

690 (L) x 150 (W) x 180 (H) mm

WEIGHT

10.8 kg

Bypass cartridge

FEATURES

The FP-700A foot pump has a two speed pump piston for rapid advance and an external adjustable pressure setting up to 68.5Mpa.

Our exclusive replaceable, bypass cartridge is standard in the FP-700A

An internal oil bladder allows the FP-700A to be used in any position. (Even pump head upward)

REMARKS

Hydraulic hose sold separately.

* Two stage pumping action for rapid ram advance

* Replaceable Dropout bypass valve cartridge for easy repair

* Economical yet dependable foot operated hydraulic pump

MODEL No.
R14E-F1

Rated pressure : 68.5 Mpa or 10,000 PSI

R14E-F1

R14E-F1 shown with EP-510HC

SPECIFICATIONS

Oil delivery (50Hz) :
2.9 liter / min at low pressure
0.3 liter / min at high pressure

Input : Single phase 50 / 60 Hz 120 V or 220 V 340 W motor

Reservoir capacity : 2 liter

Cable length of remote control switch : 3 m

SIZE

250 (L) x 160 (W) x 355 (H) mm

WEIGHT

16.5 kg (14.5 kg dry)

ACCESSORIES

2 m hydraulic hose attached

FEATURES

The R14E-F1 remote operated pump gives the operator complete control. Push buttons permit the operator to advance and retract at will. The operator is never committed to a full cycle, and can always back off at any time during the advance even under pressure. This feature increases efficiency because cuts and crimps can be adjusted as necessary, simply by stopping the advance or retract mode.

The electric motor shuts off when UP button is released and the pressure reaches to preset valve. of 68.5Mpa. The ram can be retracted while DOWN button is depressed.

A 3 meter remote control cable provides both safety and convenience. The operator can set up an operation and then move away from the work site before engaging the tool.

REMARKS

* Two stage pumping system for rapid advance
* Adjustable output pressure to 68.5 Mpa
* 360 degree swivel joint for hose maneuverability
* Visual oil level
* Durable steel cover
* Wired remote control

MODEL No.
R14E-A1

Rated pressure : 68.5 Mpa or 10,000 PSI

R14E-A1

R14E-A1 shown with EP-431H

SPECIFICATIONS

Oil delivery (50Hz) :
1.7 liter / min at low pressure
0.4 liter / min at high pressure

Input : Single phase 50 / 60 Hz 120 V or 220 V 550 W motor

Reservoir capacity : 3 liter

Cable length of remote control switch : 3 m

SIZE

350 (L) x 330 (W) x 420 (H) mm

WEIGHT

32.5kg (29.5 kg dry)

ACCESSORIES

Remote control switch

FEATURES

The R14E-A1 is a fully remote controlled, single acting, 68.5Mpa, electric pump. The two button hand held remote control allows the operator to advance, hold or retract at any time. When 68.5Mpa is reached, the pump will automatically shut off and hold the pressure until the operator pushes the release button to retract the tool.

There is an auto cycle switch that allows the operator to push the advance button once and the pump automatically advances, runs to 68.5 Mpa, and releases. This feature is convenient where operation is repeated several times.

REMARKS

Hydraulic hose sold separately.

* Fully remote controlled
* Visual oil level
* 3/4 HP heavy duty motor
* Durable steel construction with built-in carrying handle
* Auto cycle mode
* Low amperage requirement

MODEL No.
HPE-2A

Rated pressure : 68.5 Mpa or 10,000 PSI

HPE-2A

HPE-2A shown with EP-60S

SPECIFICATIONS

Oil delivery :
2.6 liter / min at low pressure
0.5 liter / min at high pressure

Engine : Air cooled
4 cycle gasoline engine
1.5kw (2.0 ps) / 3,600 rpm, leadfree gasoline
Reservoir capacity : 2.2 liter

Cable length of remote control switch : 3 m

SIZE

470 (L) x 330 (W) x 443 (H)mm

WEIGHT

33.5kg (30kg dry)

ACCESSORIES

Remote control switch,
Spark plug wrench

FEATURES

The HPE-2A **single acting** gasoline engine driven hydraulic pump is the most sophisticated engine pump on today's market. It builds pressure to 68.5Mpa automatically and returns engine RPM to an idle.

Wired remote control allows operator complete control. Oil volume is large enough to operate a 60 ton class single acting compression head.

The FUJI HEAVY`S four cycle engine EH09-2D is used with this Pump.
This engine meets emission control in accordance with EPA Phase2 and CARB Tier2.
And this engine improves fuel cost by 15% in comparison with former EY08D engine on the HPE-1A.

REMARKS

Hydraulic hose sold separately.

* Remote control operation
* Pole mounting bracket as a standard accessory
* Visual oil level
* External air vent and oil level
* Compact design
* Dependable Fuji Heavy's engine
* For single acting tools

MODEL No.
HPE-2D

Rated pressure : 68.5 Mpa or 10,000 PSI

HPE-2D

HPE-2D shown with EP-100W

SPECIFICATIONS

Oil delivery :
2.6 liter / min at low pressure
0.35liter / min at high pressure

Engine : Air cooled
4 cycle gasoline engine
1.5kw (2.0 ps) / 3,600 rpm, leadfree gasoline
Reservoir capacity : 2.2 liter

Cable length of remote control switch : 3 m

SIZE

530 (L) x 330 (W) x 443 (H) mm

WEIGHT

37.5 kg (34.0 kg dry)

ACCESSORIES

Remote control switch,
Spark plug wrench

FEATURES

The HPE-2D **double acting** gasoline engine driven hydraulic pump is the most sophisticated pump on today's market. It builds pressure to 68.5Mpa automatically and returns engine RPM to an idle.

Wired remote control allows operator complete control. Oil volume is large enough to operate a 100 ton class double acting compression head for intermittent use.

The FUJI HEAVY`S four cycle engine EH09-2D is used with this Pump.
This engine meets emission control in accordance with EPA Phase2 and CARB Tier2.
And this engine improves fuel cost by 15% in comparison with former EY08D engine on the HPE-1D.

REMARKS

Hydraulic hose sold separately.

* Remote control operation
* Visual oil level
* External air vent and oil level
* Compact design
* Solenoid operated 4 way valve (For double acting tools)
* Dependable Fuji Heavy's engine

MODEL No.
HPE-4

Rated pressure : 68.5 Mpa or 10,000 PSI

HPE-4

HPE-4 shown with EP-200W

SPECIFICATIONS

Oil delivery :
7.5 liter / min at low pressure
1.2 liter / min at high pressure

Engine : Air cooled
4 cycle gasoline engine
2.2kw (3.0 ps) / 3,600 rpm, leadfree gasoline
Reservoir capacity : 10 liter

Cable length of remote control switch : 3 m

SIZE

665 (L) x 405 (W) x 445 (H) mm

WEIGHT

60.0 kg (50.0 kg dry)

ACCESSORIES

Remote control switch,
Spark plug wrench

FEATURES

The HPE-4 is a **double acting** engine driven hydraulic pump suitable for double acting presses for trans-mission line use.

This pump is one of the most sophisticated on today's market. It builds pressure to 68.5Mpa automatically, and returns the engine RPM to an idle. The push button will control the fluid flow at the discretion of the operator. There is also a manual mode on the pump that can be used to override the remote control.

Electric circuit boards are completely modulated for easy replacement and repair.

The FUJI HEAVY'S four cycle engine EX-13 is used with this Pump. This engine meets emission control in accordance with EPA Phase2 and CARB Tier2. And this engine reduces level by 2 dBA in comparison with former EY15 engine on the HPE-3.

REMARKS

Hydraulic hose sold separately.

* Wired remote control operation with manual control lever
* Auto operation allows fully automatic compression work, advance-68.5Mpa-retraction of ram, by just pressing UP button once on the remote control switch
* Compression counter to monitor compression cycles for the remainder of maintenance schedule
* Pressure gauge for easy output confirmation
* Reliable output by FUJI HEAVY'S engine
* For double acting tools

MODEL No.
HPE-4M

Rated pressure : 68.5 Mpa or 10,000 PSI
Engine Driven Pump for 60,100 & 200 ton presses

HPE-4M

SPECIFICATIONS

Oil delivery :
7.5 liter/min at low pressure
1.2 liter/min at high pressure

Engine : Air cooled
4 cycle gasoline engine
2.2kw (3.0 ps) / 3,600 rpm, leadfree gasoline
Reservoir capacity : 10 liter

SIZE

670(L) x 405(W) x 475(H) mm

WEIGHT

60 kg (50 kg dry)

ACCESSORIES

Spark plug wrench

HPE-4M shown with EP-60S

HPE-4M shown with EP-200W

FEATURES

The HPE-4M is a manual controlled engine driven hydraulic pump suitable for single and double acting presses for transmission line use.

The manual control valve permits the user to advance, hold and retract the ram at will. It works for both single and double acting presses.

Simple design and positive manual control valve is ideal for high voltage construction site where electric magnetic field becomes concern.

Valve Mode & Operation

UP: the ram advances and pressure goes up to 68.5Mpa. Then the relief valve functions.

NEUTRAL: the ram stops and holds its position

DOWN: the ram retracts to its lowest point. (Single and double acting presses) Then the pump builds up pressure to 13.7Mpa and the relief valve functions.

(Double acting press)

The FUJI HEAVY'S four cycle engine EX-13 is used with this Pump. This engine meets emission control in accordance with EPA Phase2 and CARB Tier2. And this engine reduces level by 2 dBA in comparison with former EY15 engine on the HPE-3M.

REMARKS

Hydraulic hose sold separately.

* For double and single acting tools
* Positive manual control valve
* Relief valve for advance (68.5Mpa) and retract (13.7Mpa)
* Pressure gauge for easy output confirmation
* Reliable output by FUJI HEAVY'S engine
* Maximum hose length 20 meter
* Relief valve setting
  UP: 68.5Mpa
  DOWN:13.7Mpa

MODEL No.

SH-10(A)P
SH-10(B)P

Up to 115.5 mm diameter hole perforation on 3.2 mm thickness mild steel

SH-10 (B) P

SH-10(A)P shown with carrying case

SPECIFICATIONS

Punching capacity
Stainless Steel :
1.6 mm plate thickness
Mild steel :
3.2 mm plate thickness
Hole diameter :

up to 115.5 mm (4 inch) es
Ram Stroke : 25 mm
Oil volume required : 35 cc
Output force : 81 kN at 68.5 Mpa pressure

SIZE

63 (Dia) x 125 (H) mm

WEIGHT

1.9 kg

ACCESSORIES

Milli size punch sets are available on request.
M15, 16, 25, 30, 35, 40, 45, 50, 55, 57, 67, 70, 80, 82, 87, 95, 100, 108, 110

FEATURES

Selection Chart :

SH-10 (A) P SH-10 (B) P

1 HP-180N Hand Pump
2 Setting threads (3/8" & 3/4")
3 Collar (Large, Medium, Small)
4 Steel carrying case

A19 (3/4")	B16 (1/2")
A25 (1")	B22 (3/4")
A31 (1 1/4")	B28 (1")
A39 (1 1/2")	B36 (1 1/4")
A51 (2")	B42 (1 1/2")
	B54(2")

REMARKS

Punching size

Punch	Hole size
A15*	17.6 mm
A19 (3 / 4)	19.8 mm
A25 (1)	26.1 mm
A31 (1 1/ 4)	32.5 mm
A39 (1 1/ 2)	38.7 mm
A51 (2)	51.6 mm
A63 (2 1/ 2)*	64.4 mm
A75 (3)*	77.2 mm
B16 (1/ 2)	21.8 mm
B22 (3 / 4)	27.6 mm
B28 (1)	34.1 mm
B36 (1 1/ 4)	42.7 mm
B42 (1 1/ 2)	48.7 mm
B54 (2)	60.5 mm
B70 (2 1/ 2)*	76.1 mm
B82 (3)*	88.9 mm
B92 (3 1/ 2)*	102.8 mm
B104 (4)*	115.5 mm

(*) marks show optional punch set available

MODEL No.
SH-5PDG

Punching capacity : 115.5mm diameter hole on 3.2mm thickness mild steel

SH-5PDG

SH-5PDG shown with standard accessories

SPECIFICATIONS

Reservoir capacity : 40 cc
Output force : 73 kN at 68.5 Mpa pressure

Punching capacity
Stainless Steel :
1.6 mm plate thickness
Mild steel :
3.2 mm plate thickness
Hole diameter :
up to 115.5 mm (4 inch) es

SIZE

353 (L) mm

WEIGHT

2.4 kg

ACCESSORIES

Steel carrying case.

FEATURES

The SH-5PDG is a portable hand hydraulic punch with swivel head for easy access to tight quarters.

It gives clean perforation through 3.2mm thick mild steel with a 4 inch hole.

SH-5PDG CONTENTS

1 SH-5PDG Hand hydraulic punch
2 Set bolts (3/8", 3/4")
3 Collars (Large, Medium,Small, Ex-small)
4 Steel carrying case

SH-5PDG PUNCH SET

1 SH-5PDG (A) SET : with A19-51 punch
2 SH-5PDG (B) SET : with B16-51 punch

REMARKS

* Self-contained hand hydraulic punch
* Punching head rotates through 360 degrees for easy access in tight quarters
* Slim design
* Details information of punch is shown on page of SH-10

APPLICABLE PUNCH

* A19-A75
* B16-B104

MODEL No.
SH-70B

Punching capacity : 20.5 mm diameter hole on 13 mm thickness mild steel

SH-70B

Optional punch &die

- For copper & Aluminum Cu6, Cu7, Cu8, Cu9, Cu10, Cu10.5, Cu11, Cu12, Cu13.5, Cu17.5, Cu20.5
- For mild steel (every other mm) S6~S19

FEATURES

The portable SH-70B punch was designed to punch holes through 13 mm mild steel, aluminum and copper.

A stripper guide extends on either side of the ram to strip the material after punching. This powerful punch will operate from any 68.5Mpa (10,000 PSI) hydraulic pump.

The SH-70B comes complete with four sets of punch and die sizes for 3/8", 1/2", 5/8" and 3/4" bolts, hand pin, carrying case.

SPECIFICATIONS

Throat depth : 70 mm
Oil volume required : 82 cc

Output force : 304 kN at 68.5 Mpa pressure

SIZE

360 (H) x 210 (W) x 95 (D) mm

WEIGHT

14.0 kg

ACCESSORIES

Punch & Die for mild steel : 10.5, 13.5, 17.5, 20.5mm diameter, Hand pin, Steel carrying case

REMARKS

* Powerful perforation up to 13 mm thick mild steel with a 20.5 mm maximum hole
* Recommended for angle iron, plates, beams and bus bars
* Stripper guide extends to grip material before punching so that bending and binding or slippage can be avoided
* Stripper guide clamps punch in place to free operator's hands
* 70 mm throat depth allows commonly used angle iron
* New fixed Support stand.

MODEL No.
PB-10N

Thin steel conduit (A) : A15 (5/8) - A75 (3)
Thick steel conduit (B) : B16 (1/2) - B82 (3)
Gas pipe (SGP) : SGP15 (1/2) - SGP65 (2 1/2)

PB-10N

SPECIFICATIONS

Oil volume required : 400 cc
Output force : 108 kN
Ram stroke : 250mm

SIZE

780 (W) mm

WEIGHT

15 kg : W/O PIVOT SHOES and BENDER SHOE

ACCESSORIES

Frame, Cylinder,
Pivot shoes (2 pieces),
Angle gauge

Example of bending shoes

FEATURES

The PB-10N was designed to bend various sizes and various thickness of steel pipes without wrinkles.

An aluminum alloy frame makes this bender lighter so that it can be easily carried to the job site.

Bending shoes are designed to bend JIS standardized conduit pipe and gas pipe listed in left chart. If the pipe outer diameter being bent is equivalent to the one from the chart, the shoe can be used for the application.

REMARKS

Hydraulic pump & Bending shoes are sold separately.

Bending Shoe
Thin conduit (A) Thick conduit (B)
Gas pipe (SGP)

Size	Pipe dia	Size	Pipe dia
A15	15.9	B42	47.8
A19	19.1	B54	59.6
A25	25.4	B70	75.2
A31	31.8	B82	87.9
A39	38.1	SGP-15	21.7
A51	50.8	SGP-20	27.2
A63	63.5	SGP-25	34.0
A75	76.2	SGP-32	42.7
B16	21.0	SGP-40	48.6
B22	26.5	SGP-50	60.5
B28	33.3	SGP-65	76.3
B36	41.9		

MODEL No.
PB-15N

Thin steel conduit (A) : A15 (5/8) - A75 (3)
Thick steel conduit (B) : B16 (1/2) - B104 (4)
Gas pipe (SGP) : SGP15 (1/2) - SGP100 (4)

PB-15N

SPECIFICATIONS

Oil volume required : 595 cc
Output force : 162 kN
Ram stroke : 250mm

SIZE

900 (W) mm

WEIGHT

23 kg : W/O PIVOT SHOES and BENDER SHOE

ACCESSORIES

Frame, Cylinder,
Pivot shoes (2 pieces),
Angle gauge

Example of bending shoes

FEATURES

The PB-15N was designed to bend various sizes and various thickness of steel pipes without wrinkles.

An aluminum alloy frame makes this bender lighter so that it can be easily carried to the job site.

Bending shoes are designed to bend JIS standardized conduit pipe and gas pipe listed in right chart. If the pipe outer diameter being bent is equivalent to the one from the chart, the shoe can be used for the application.

REMARKS

Hydraulic pump & Bending shoes are sold separately

Bending Shoe
Thin conduit (A) Thick conduit (B)
Gas pipe (SGP)

Size	Pipe dia	Size	Pipe dia
A15	15.9	B70	75.2
A19	19.1	B82	87.9
A25	25.4	B92	100.7
A31	31.8	B104	113.4
A39	38.1	SGP-15	21.7
A51	50.8	SGP-20	27.2
A63	63.5	SGP-25	34.0
A75	76.2	SGP-32	42.7
B16	21.0	SGP-40	48.6
B22	26.5	SGP-50	60.5
B28	33.3	SGP-65	76.3
B36	41.9	SGP-80	89.1
B42	47.8	SGP-90	101.6
B54	59.6	SGP-100	114.3

MODEL No.
NP-400

Peels insulation jacket of the conductor

NP-400

NP-400

SPECIFICATIONS

10 mm to 32 mm O.D. insulated cable (Vinyl or polyethylene jackets) with insulation thickness of 1.5 mm to 3 mm

SIZE

80 (W) x 200 (L) mm

WEIGHT

740 g

FEATURES

The NP-400 can peel insulation from a conductor with an O.D. of 10 to 32 mm and a maximum insulation thickness of 3 mm.

This tool will not work on semiconductors since the cutting blade uses a scoop design to pull insulation away from the wire strands.

It is most commonly used on jacketed aluminum and copper cables for both underground and overhead.

The NP-400 can handle mid-span peeling as well as cable end preparation. A simple rotation and hand force is all it takes to remove the jacket.

REMARKS

It is necessary to change the blade depth according to the insulation thickness.

Operating instructions:

1 Set the blade depth by rotating the adjusting knob.

2 Set the conductor in the peeler.

3 Start peeling by rotating the peeler around the conductor.

4 Apply hand force against the peeling direction to end the peeling.

MODEL No.
IZ-325A

Maximum cutting diameter : Nonferrous 33mm or 325mm² Cu Cable

IZ-325A shown with CV 325mm² Cu Cable

IZ-325A Moving Blade Opened

SPECIFICATIONS

Cuts up to 325mm² Cu cable

* Light weight and compact
* Clean square cutting
* Easy cutting operation
* Durable construction
* Forged cutting cable
* Reverse operation allowed

SIZE

260 (L) mm

WEIGHT

610 g

FEATURES

The IZ-325A Ratchet Cable Cutter was designed to cut up to 325mm² or 33mm outer diameter Cu Cable.

The IZ-325A features light weight, easy to use and clean cutting of the material

The cutter is equipped with the release mechanism so that the cutting can be backed out when necessary.

This economical ratchet cutter is ideal for an electrician's wiring preparation tool.

REMARKS

Cutting capacity :
Nonferrous cables only.

Cutting material :
Polyethyene cable
600V-CV325mm² (31mm OD)
600V-CV60mm² X 3 core(32mm OD)

Multi-core vinyl insulation cable
VVR 60mm² X 3 core (33mm OD)

IV325mm² (29mm OD)

To release ratchet, push release lever downward
Blade moves freely.

MODEL No.
PG-325

Applicable to check inner pressure of hydraulic system

PG-325

SPECIFICATIONS

Dial face up to
100 Mpa

SIZE

195 (L) x 105 (W) x 45 (D) mm

WEIGHT

1.5 kg

ACCESSORIES

Steel carrying case

PG-325

FEATURES

The PG-325 is the inline pressure gauge to check inline pressure of the hydraulic system.

It is placed between the hydraulic head and the pump by means of coupler connection.

When the hydraulic pump is activated, inner pressure increases and direct reading of inner pressure is obtained.

REMARKS

IMPORTANT NOTE
Pressure adjustment of tools require calibrated pressure gauge and appropriate tools to adjust the relief valve.

Improper adjustment may result in too high or too low of inner pressure.

Higher pressure may cause damage to the tool or seals.

Lower pressure results in insufficient tool output causing improper connection of compressed connectors or not cutting specified materials.

MODEL No.
PG-58

Applicable to check inner pressure of battery operated pistol type REC-5XXX series tools

PG-58

SPECIFICATIONS

Dial face up to
100 MPa

SIZE

195 (L) x 105 (W) x 45 (D) mm

WEIGHT

1.0 kg

ACCESSORIES

Steel carrying case

PG-58 shown with REC-S540

FEATURES

The PG-58 was designed to measure the inner pressure of battery operated pistol type REC-5XXX series tools.

It is attached to the top of hydraulic body by removing the plug and replacing it with the PG-58.

When the tool is activated, inner pressure increases and direct reading of inner pressure is obtained.

Applicable Tools:
REC-S524, REC-S540,
REC-585YC, REC-55PDF,
REC-5630, REC-530Y, REC-5750
LIC-S524, LIC-S540,
LIC-585YC, LIC-5630

REMARKS

IMPORTANT NOTE
Pressure adjustment of tools require calibrated pressure gauge and appropriate tools to adjust the relief valve.

Improper adjustment may result in too high or too low of inner pressure.

Higher pressure may cause damage to the tool or seals.

Lower pressure results in insufficient tool output causing improper connection of compressed connectors or not cutting specified materials.

MODEL No.
PG-15F

Applicable to check output force of:
6ton hydraulic compression tools.

PG-15F with test dies

PG-15F

SPECIFICATIONS

Dial face up to 80 kN

SIZE

250 (L) x 105 (W) x 45 (D) mm

WEIGHT

2.0 kg

ACCESSORIES

Steel carrying case
Test dies for REC-551F and CN-58A

FEATURES

The PG-15F force test gauge was designed to check output force of 6 ton compression tools. It comes complete with necessary test dies for force measurement.

Applicable Tools:
ECO-50, REC-551F,
15B, CN-58A,
EP-50, EP-50H
REC-558U
LIC-551F, LIC-558U

REMARKS

IMPORTANT NOTE
Output force adjustment of tools requires calibrated force test gauge and appropriate tools to adjust the relief valve.

Improper adjustment may result in too high or too low of inner pressure.

Higher pressure may cause damage to the tool or seals.

Lower pressure results in insufficient tool output causing improper connection of compressed connectors.

MODEL No.
PG-610B

Applicable to check output force of;
12 ton and 15 ton hydraulic compression tools

PG-610B

PG-610B shown with REC-3610

FEATURES

The PG-610B force test gauge was designed to measure output force up to 15 ton. It is used to calibrate 12 ton and 15 ton tools. It was designed to fit in all brand 12 ton tools, and is supplied with U type test dies. When 15 ton tool, EP-610HS2, is calibrated, U die adapter is necessary to adapt test dies.

The PG-610B comes complete with U type test dies and steel carrying case.

Applicable Tools:
EP-410, EP-431, EP-510C,
EP-410H, EP-431H, EP-510HC,
EP-610HS-2, LP-430B
REC-3410, REC-3430, REC-3510,
REC-3610, REC-5431, REC-5510
LIC-5431, LIC-5510

SPECIFICATIONS

Dial face up to 176 kN

SIZE

250 (L) x 105 (W) x 25 (D) mm

WEIGHT

1.5 kg

ACCESSORIES

Steel carrying case
Test dies (Blank dies for EP-410)

REMARKS

IMPORTANT NOTE
Output force adjustment of tools requires calibrated force test gauge and appropriate tools to adjust the relief valve.

Improper adjustment may result in too high or too low of inner pressure.

Higher pressure may cause damage to the tool or seals.

Lower pressure results in insufficient tool output causing improper connection of compressed connectors.

MODEL No.
PG-UC6

Applicable to check output force of;
Dieless hydraulic crimping tools

PG-UC6 with test dies

PG-UC6

SPECIFICATIONS

Dial face up to 80 kN

SIZE

250 (L) x 105 (W) x 45 (D) mm

WEIGHT

2.0 kg

ACCESSORIES

Steel carrying case
Height spacer for group of models

FEATURES

The PG-UC6 force test gauge was designed to check direct output force of dieless hydraulic crimping tools.
It comes complete with height spacer for different models.

Applicable Tools:
UC-6B, UC-6FT2,
REC-5630, REC-5750
LIC-5630

REMARKS

IMPORTANT NOTE
Output force adjustment of tools requires calibrated force test gauge and appropriate tools to adjust the relief valve.

Improper adjustment may result in too high or too low of inner pressure.

Higher pressure may cause damage to the tool or seals.

Lower pressure results in insufficient tool output causing improper connection of crimped connectors.

MODEL No.
PG-H130

Applicable to check output force of;
12ton type compression tools.

PG-H130

SPECIFICATIONS

Dial face up to 130 kN

SIZE

250 (L) x 105 (W) x 25 (D) mm

WEIGHT

1.5 kg

ACCESSORIES

Steel carrying case
Test dies

FEATURES

The PG-H130 force test gauge was designed to measure output force up to 12 ton. It is used to calibrate 12 ton tools. It was designed to fit in all brand 12 ton tools, and is supplied with U type test dies.

The PG-H130 comes complete with test dies and steel carrying case.

Applicable Tools:
EP-410, EP-431, EP-510C,
EP-H130,
EP-410H, EP-431H, EP-510HC,
EP-H130H,
REC-3410, REC-3430, REC-3510,
REC-H5130, REC-5431,
REC-5510
LIC-5431, LIC-5510

REMARKS

IMPORTANT NOTE
Output force adjustment of tools requires calibrated force test gauge and appropriate tools to adjust the relief valve.

Improper adjustment may result in too high or too low of inner pressure.

Higher pressure may cause damage to the tool or seals.

Lower pressure results in insufficient tool output causing improper connection of compressed connectors.

Selection of Battery and Charger

All IZUMI battey tools can be custom ordered to include batteries and / or chargers.

See selection chart as below to specify selection code when ordering.
Ex. REC-5431
Selection Code "CC"
- CH-35EMC or CH-35R (1 piece)
- BP-70E (2 pieces)

Selection Chart

Charger / Battery	Quick Charger CH-35R / CH-35EMC		Standard Charger CH-3FC2		Quick DC Charger CH-70DCH	
	Qty	Code	Qty	Code	Qty	Code
BP-70MH	1	A	-	-	1	M
	2	AA	-	-	2	MM
BP-70EI	1	B	1	G	1	N
	2	BB	2	GG	2	NN
BP-70E	1	C	1	H	1	P
	2	CC	2	HH	2	PP
BP-70I	1	D	1	J	1	Q
	2	DD	2	JJ	2	QQ

Battery and Charger Compatibility chart (Charge Time)

	Input Voltage	BP-70E	BP-70EI	BP-70MH	BP-70I
CH-3FC2	AC220~240V	90M	90M	Cannot be used	1H
CH-35EMC CH-35R	AC220~240V AC110~120V	25M	25M	40M	15M
CH-70DCH	DC10V~32V	70M	70M	100M	45M

Selection Chart of Compression Tools (6-15 ton)

Designd to accommodate hexagonal,circular shell and indent type dies for applying compression fittings to copper,aluminum and ACSR conductors.

Category	6 ton		12 ton				15 ton
Ram Stroke (Jaw Opening)	19 to 24mm adjustable	15mm	25mm	28mm	30mm	42mm	50mm
HAND OPERATED	CN-58A	EP-50	EP-410	EP-H130	EP-431	EP-510C	—
REMOTE HEAD	—	EP-50	EP-410H	EP-H130H	EP-431H	EP-510HC	EP-610HS2
BATTERY OPERATED BOX TYPE	—	—	REC-3410	—	REC-3430	REC-3510	REC-3610 (*4)
BATTERY OPERATED STICK TYPE	—	ECO-50	—	—	—	—	—
BATTERY OPERATED GUN TYPE	REC-558U	REC-551F	—	REC-H5130	REC-5431	REC-5510	—
LITHIUM ION BATTERY OPERATED GUN TYPE	LIC-558U	LIC-551F	—	—	LIC-5431	LIC-5510	—
APPLICABLE DIES TYPE		BEKU TYPE DIES	U-DIES				P-DIES U DIES + P-U ADAPTER (*4)
APPLICABLE COMPRESSION RANGE *	Accepts Burndy W type dies and Keaney / Blackburn O type dies	<Copper> 10 to 150mm2 <Aluminum / ACSR> 16 to 95mm2	<Copper Conductor> upto 250mm2			<Copper Conductor> upto 400mm2	Accepts Burndy P dies & U dies with P-U Adapter

IZUMI Compression Tools (30-200 ton class)

Category	30ton	60ton		100ton	200ton
Power sause	SINGLE ACTING		DOUBLE ACTING		
Ram Stroke	26mm	38.5mm		22mm	40mm
Tool	EP-520C	EP-60S	EP-60D	EP-100W	EP-200W
Dies					
Compression Range	<Copper> 8mm² to 500mm² <Aluminum> 30mm² to 590mm²	up to 60mm O.D. Sleeve		<Copper> up to 64mm O.D. Sleeve <Aluminum> up to 71mm O.D. Sleeve <Steel> up to 32mm O.D. Sleeve	<Copper> up to 86mm O.D. Sleeve <Aluminum> up to 100mm O.D.Sleeve <Steel> up to 50mm O.D. Sleeve
Pump to Operate	HP-700A. FP-700A. R14E-F1. R14E-A. HPE-2A. HPE-4M, REC-P2		HPE-2D. HPE-4, HPE-4M		HPE-4, HPE-4M

SELECTION CHART 《Maximum Cutting Capacity》

Hand Hydraulic Cable Cutter

Cutting Capacity (Outer Diameter / mm)

Model	Output (kN)	Wire Rope (Hemp-core)			Bars				Strands					Other Cables		
		6X7	6X12	6X19	Soft Copper	Soft Alumi-nium	Soft Steel	Rein-forcing	Bare Copper	Bare Alumi-nium	ACSR	1x7 Guy Steel Wire	1x19 Guy Steel Wire	Tele-phone cable (CCP)	Lead Sheathed Cable (Tele-phone Cable)	Under ground cable
REC-S524 LIC-S524	84	18	24	24	24	18	20	16	24	24	24	20	20	-	-	24
REC-530Y	63	-	-	-	-	-	-	-	28	28	19 *	-	-	20	-	30
REC-S540 LIC-S540	68	22	22	22	22	20	20	16	40	40	38	15	19	-	-	40
REC-S3550	120	25	30	30	35	28	22	19	54	54	54	15	20	-	-	50
REC-50 LIC-50	-	-	-	-	-	-	-	-	50	50	-	-	-	-	-	-
REC-54	-	-	-	-	-	-	-	-	54	54	18.6	-	-	-	-	-
REC-585YC LIC-585YC	80	-	-	-	-	-	-	-	60	60	85	-	-	85	-	85
S-200	66	16	20	20	20	16	16	13	20	20	21	15	16	-	-	18
S-240	84	18	24	24	24	18	20	16	24	24	24	20	20	-	-	24
S-320	191	32	32	32	32	32	25	25	32	32	32	32	32	-	-	32
S-400	68	22	25	25	22	20	20	16	41	41	38	15	20	-	-	41

* Single strand steel core only.

Hand Hydraulic Cable Cutter

Cutting Capacity (Outer Diameter / mm)

Model	Output (kN)	Wire Rope (Hemp-core)			Bars				Strands					Other Cables		
		6X7	6X12	6X19	Soft Copper	Soft Alumi-nium	Soft Steel	Rein-forcing	Bare Copper	Bare Alumi-nium	ACSR	1x7 Guy Steel Wire	1x19 Guy Steel Wire	Tele-phone cable (CCP)	Lead Sheathed Cable (Tele-phone Cable)	Under ground cable
S-550	124	25	30	30	35	28	22	19	54	54	54	15	20	-	-	50
850	39	-	-	-	-	-	-	-	28	38	-	-	-	85	85	50
SP-20A	39	16	20	20	20	16	16	13	20	20	21	15	16	-	-	18
SP-24	86	18	24	24	24	24	20	16	24	24	24	20	20	-	-	24
YSP-30B	66	-	-	-	-	-	-	-	28	28	19 *	-	-	30	30	30
SP-32	214	32	32	32	32	32	25	25	32	32	32	32	32	-	-	32
SP-40A	76	22	25	25	22	20	20	16	41	41	38	15	20	-	-	41
SP-55A	118	25	30	30	35	28	22	19	50	50	50	15	20	-	-	50
P-60	76	-	-	-	-	-	-	-	60	60	-	-	-	60	60	60
P-85	41	-	-	-	-	-	-	-	28	38	-	-	-	85	85	50
P-85YC	74	-	-	-	-	-	-	-	60	60	-	-	-	85	85	85
P-100A	74	-	-	-	-	-	-	-	42	46	-	-	-	100	100	75
P-132	95	-	-	-	-	-	-	-	42	46	-	-	-	132	132	100

* Single strand steel core only.

Hydraulic Hose Selection Chart

Hydraulic Pump			Manual Operated		Motor Driven		Engine Driven Single Acting	Engine Driven Double Acting			Battery Operated
			HP-700	**HP-700A**	**R14E-F1**	**R14E-A**	**HPE-2A**	**HPE-4M**	**HPE-2D**	**HPE-4**	**REC-P2**
Specification of Pump		Recommended Maximum Length of Hose	Fixed 2m + 1m	3m	Fixed 2m + 8m	15m	15m	20m	15m	20m	6m
		Reservoir Capacity	720cc	720cc	2 litter	3 litter	2.2 litter	10 litter	2.2 litter	10 litter	1 litter
Head Type Tool		Oil Volume Required (cc)									
Hydraulic Compression & Crimping Head	**EP-50H**	18									
	EP-410H	42									
	EP-431H	50									
	EP-510HC	75									
	EP-610HS2	100									
	EP-520C	132									
	EP-60S	303									(3M)
	EP-60D	303									
	EP-100W	314									
	EP-200W	1,134									
	12A	85									
	16B	44									
Hydraulic Cutter Head	**SP-20A**	18									
	SP-24	33									
	SP-32	135									
	SP-40A	48									
	SP-55A	120									
	P-60	71									
	P-85	65									
	P-100A	140									
	P-132	220									
	YSP-30B	18									
Hydraulic Puncher	**SH-10**	40									
	SH-70B	82									(3M)
Hydraulic Bender Squeezer	**PB-10N**	400									(3M)
	PB-15N	595									(3M)

= Applicable = Not Applicable

Size of Conduit JIS standard type

Thin Conduit (A)

RANGE		Shoe Size	Conduit size		① Outer Diameter	② Inner Diameter	③ Wall Thickness
PB-15N	PB-10N	A15	15	5/8	15.9	13.5	1.2
		A19	19	3/4	19.1	15.9	1.6
		A25	25	1	25.4	22.2	1.6
		A31	31	1, 1/4	31.8	28.6	1.6
		A39	39	1, 1/2	38.1	34.9	1.6
		A51	51	2	50.8	47.6	1.6
		A63	63	2, 1/2	63.5	59.5	2.0
		A75	75	3	76.2	72.2	2.0
				(inch)	(mm)	(mm)	(mm)

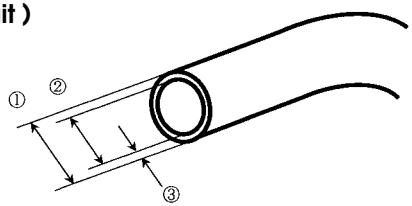
Thick Conduit (B)

RANGE		Shoe Size	Conduit size		① Outer Diameter	② Inner Diameter	③ Wall Thickness
PB-15N	PB-10N	B16	16	1/2	21.0	16.4	2.3
		B22	22	3/4	26.5	21.9	2.3
		B28	28	1	33.3	28.3	2.5
		B36	36	1, 1/4	41.9	36.9	2.5
		B42	42	1, 1/2	47.8	42.8	2.5
		B54	54	2	59.6	54.0	2.8
		B70	70	2, 1/2	75.2	69.6	2.8
		B82	82	3	87.9	82.3	2.8
		B92	92	3, 1/2	100.7	93.7	3.5
		B104	104	4	113.4	106.4	3.5
				(inch)	(mm)	(mm)	(mm)

Gas Pipe (SGP)

RANGE		Shoe Size	Conduit size		① Outer Diameter	② Inner Diameter	③ Wall Thickness
PB-15N	PB-10N	SGP 15	15	1/3	21.7	16.1	2.8
		SGP 20	20	3/4	27.2	21.6	2.8
		SGP 25	25	1	34.0	27.6	3.2
		SGP 32	32	1, 1/4	42.7	35.7	3.5
		SGP 40	40	1, 1/2	48.6	41.6	3.5
		SGP 50	50	2	60.5	52.9	3.8
		SGP 65	65	2, 1/2	76.3	67.9	4.2
		SGP 80	80	3	89.1	80.7	4.2
		SGP 90	90	3, 1/2	101.6	93.2	4.2
		SGP 100	100	4	114.3	105.3	4.5
				(inch)	(mm)	(mm)	(mm)

(Conduit)



HYDRAULIC TOOL MECHANISM

1. Hand Hydraulic

Hand hydraulic tools function using the mechanism described below.

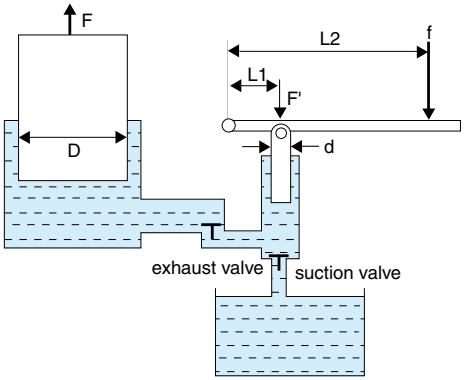


Fig 1

1. By raising the pump handle, the small piston draws oil from the reservoir into the small chamber. The amount of oil drawn from the reservoir is the same volume as the small piston displaces.

2. By lowering the pump handle, the same amount of oil drawn from the reservoir goes into the large chamber.

3. By repeating this operation, bigger piston moves upward.

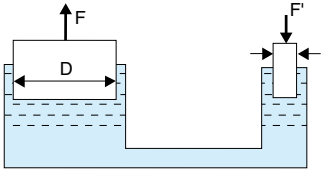


Fig 2

D: the outer diameter of the large piston
d: the outer diameter of the small piston
L1: the distance from the pivot point to small piston
L2: the distance from the pivot point to pumping position
f: Handle force
F': Force applied at the small piston
F: Force developed at the large piston

NOW LET'S CHECK THE OUTPUT DEVELOPED BY HANDLE FORCE f

Fig 2 describes Pascal's law and shows force acts on the small piston F' creates intensified force F at large piston.

The pressure inside of the vessel is the same at any location and shown as follows.

$$P=\frac{\text{Force}}{\text{Area}}=\frac{F}{\frac{\pi}{4}D^2}=\frac{F'}{\frac{\pi}{4}d^2}$$

So, F is now shown as

$$F=\frac{D^2}{d^2}F' \cdots\cdots\cdots (A)$$

Now let's go back to Fig1 and apply Pascal's law.
Force acts on the small piston F' is shown as follows.

$F' \times L1 = f \times L2$ so that $F'=\frac{L2}{L1}f \cdots\cdots\cdots (B)$

And therefore, the developed force F of the large piston is shown below.

$$F=\frac{D^2}{d^2}\frac{L2}{L1}f$$

NOW LET'S CHECK THE PISTON MOVEMENT PER HANDLE STROKE

1. The oil volume suctioned by the small piston

   $\frac{\pi}{4}d^2 \times$ small piston movement

2. This suctioned oil goes into the large chamber when the pump handle is lowered.
   (The amount of oil moved from the small to large chamber is the same.)

   $\frac{\pi}{4}d^2 \times$ small piston movement = $\frac{\pi}{4}D^2 \times$ large piston movement

   Therefore, the large piston movement is shown below.

   Large piston movement = $\frac{d^2}{D^2} \times$ small piston movement

2. Remote Head (Pump Separate Type/Spring Return Type)

Remote head type hydraulic tools do not have a pumping mechanism, therefore, they require separate hydraulic pumps.

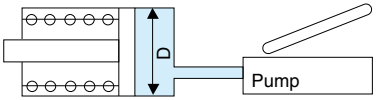


Fig 3 68.5Mpa

The output force of the head is determined by pump output pressure and all Izumi hydraulic pumps have an output pressure of 700 kgf/cm².

TOOL OUTPUT FORCE = PISTON AREA X PUMP OUTPUT PRESSURE

OUTPUT (kN) = $\frac{\frac{\pi}{4}D^2\,(cm^2) \times 68.5Mpa}{10}$

where D = piston diameter

3. Double Acting Tool

Double acting cylinder has no spring for piston retraction but has a pulling chamber. By supplying oil into the pulling chamber, the piston is forcibly retracted. The advantage of the double acting tool is this forced retracting mechanism and it has the following features.

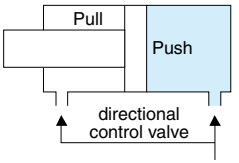


Fig 4

1. Faster piston retraction compared to spring return system
2. No jamming for cutters
3. No connector binding for compression tools

To operate double acting tools, a hydraulic pump must have a 4 way 3 position directional control valve to change its oil folw.(For piston advancement the control valve sets the oil path to the pushing chamber, for piston retraction the control valve sets the path to the pulling chamber.)

4. The Relief Valve (Bypass Valve)

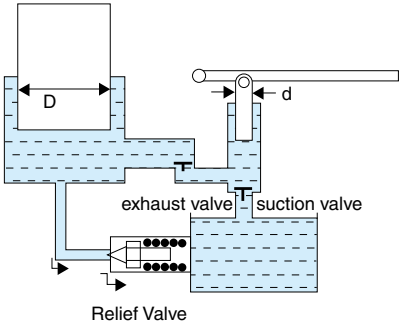


Fig 5

Most of our hydraulic tools are equipped with a relief valve except hand hydraulic cutters. This relief valve functions when oil pressure reaches 68.5 Mpa and bypasses oil to the reservoir.
So, it regulates tool output each time tool functions.

For some compression tools and pumps, the relief valve is made into a cassette style so that a whole cassette can be replaced without disassembling the tool.

A schematic of the relief valve is shown in Fig 5.

5. Double Speed Pumping (Two Stage Pumping)

As mentioned in 1. Hand hydraulic, the piston movement is very little per handle stroke and it is sometimes very time consuming.

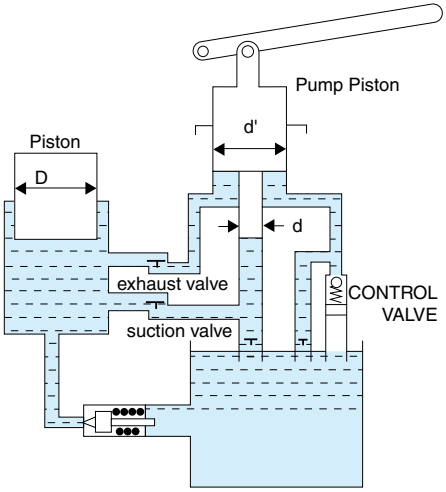


Fig 6

However, until the piston reaches the object being cut or compressed, there is not much force required. Therefore, the small piston(pump piston) can be made larger to advance the piston rapidly.

For this reason, there is a system called double speed pumping in which small and large pistons are made into one solid pump piston.
A schematic of the double pump piston is shown in Fig 6.

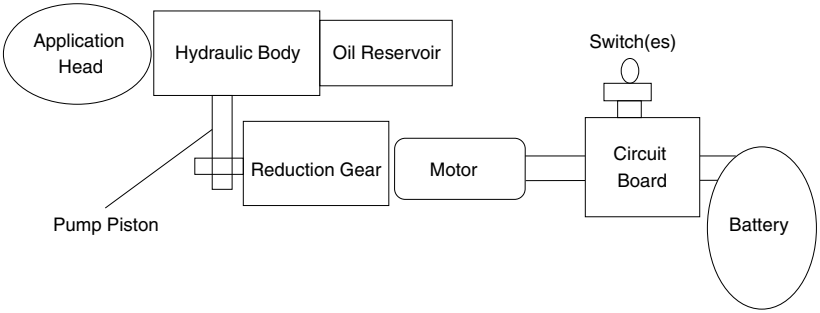
In Fig 6, the Control Valve is shown.
This control valve is needed when the pumping stage changes from the lareg-pump-piston-stage to the small-pump-piston-stage.

When the pressure developed by the large pump piston reaches the preset pressure of the control valve, the valve(Ball) opens and oil drawn by the large pump piston bypasses to the reservoir through this valve. From this point on, no pumping is done by the large pump piston. Then only the small pump piston draws oil and starts building pressure to the high stage.

If the control valve does not exist, then pressure is built up in the large pump piston and it will reach a point that handle force will become greater than humanly possible.

BATTERY OPERATED HYDRAULIC TOOLS

Years of hydraulic crimping and cutting techonology at Izumi invented a line of battery operated hydraulic tools. Izumi is the world's first manufacturer to make hydraulic tools powered by rechargeable Ni-Cd battery. Mechanism of battery operated hydraulic tools is very simple. Manual pumping is replaced by reciprocating motion of pump piston driven by DC motor using cam action. Below diagram shows groups of parts consist of E-Robo tools.



APPLICATION HEAD: Application heads are usually the same heads used for hand hydraulic units like EP-410, 15B, 9H-150, S-20A etc. As a cencept of REC tools, many of commonly used application heads will be adapted for REC tools to replace hand hydraulic units.

HYDRAULIC BODY: Hydraulic Body is to create 68.5 Mpa or 10,000 PSI of oil pressure in the cylinder to develop designated output tonnage of 5 to 12 tons. Hydraulic body has following four major valves as described in HYDRAULIC MECHANISM section in this catalogue. Suction, Exhaust, Release and Relief Valve. When repairing Hydraulic Body, keep in mind function of those four valves.

PUMP PISTON: Pump Piston connects Hydraulic body and Reduction Gear. And it receives reciprocation movement. Pumping is done by this Pump Piston reciprocation just like other hand hydraulic tools.

REDUCTION GEAR: Reduction Gear is driven by DC motor and reduces RPM to create sufficient force to push Pump Piston.

MOTOR: 14.4 Volt DC motor is powered by battery pack.

CIRCUIT BOARD: Circuit board senses supplied voltage and if it is too low, LED lights up to signal few crimp cycles remain by the battery. For 12 ton models, circuit board also controls release mechanism to push release valve electrically by cam action driven by separate drive motor.

SWITCH(ES): Switch(es) functions to turn the motor ON and OFF.

BATTERY : Nickel Cadmium battery.
Nickel-metal hydride battery.

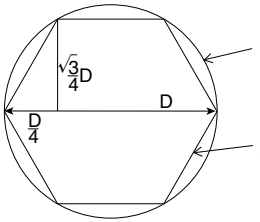
COMPRESSION DIES

Compression dies are a critical part of compressor component since they influence electric characteristics of jointed conductors. As a compression tool manufacturer, we are also involved with die making. However, due to various standards and various fittings by each manutacturer, we do not have our own standard to meet each manufacturer's fittings. With detailed customer's information, we try our best to make suitable dies.

The following is example of information we need to make custom dies.

1. Fitting catalog number as well as conductor size.
2. Recommended die number already exists by fitting manufacturer.
3. Fitting outer diameter and inner diameter.
4. Type of conductor to be jointed.(Aluminum, Copper, ACSR, AAAC etc.)
5. Drawing of dies, groove dimension etc.

Usually fittings are compressed in an inscribed hexagon so that die across vertex distance equals to fitting outer diameter.
And compression ratio can be shown below.



D:Fitting outer diameter,
Die across vertex distance

Area before compression: $\frac{\pi}{4} D^2$

Area after compression: $\frac{3}{8} \sqrt{3}\, D^2$

Compression ratio: $\dfrac{\frac{3}{8}\sqrt{3}\, D^2}{\frac{\pi}{4} D^2} = 0.827$

However, there are many other ways of compression defined by each fitting manufacturer and some have their complete line of dies.

If cutomers wish to machine their own grooves, we are also ready to supply blank dies.

In any case dies are a very important part of compression tools.
Please be aware of suggested die number by fitting manufacturer when fittings are purchased.

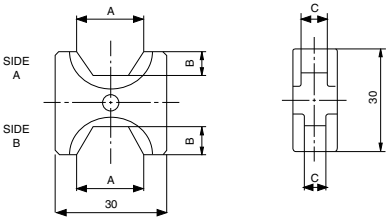
Next 6 pages show the list of dies available from Izumi.
Equivalents indicated are closest equivalents and does not infer that they are identical, interchangeable or exact duplicates.

Izumi does not assume responsibility for error, omissions or subsequent changes.

WIRE GAUGE

AWG (MCM)	mm²	JIS	DIN
30	0.05		
28	0.05		
26	0.13		
24	0.20		
22	0.32		
20	0.52		
18	0.81		0.9
16	1.32	1.5	1.5
14	2.08	2	2
12	3.33		4
10	5.27	5.5	6
8	8.30	8	10
6	13.30	14	16
5	16.78		
4	21.09	22	25
3	26.57		
2	33.94	38	35
1	42.22		
1/0	53.52	60	50
2/0	67.51		70
3/0	85.16	80	95
4/0	107.22	100	
250 MCM	126.68	125	120
300	152.01	150	150
350	177.38		185
400	202.68	200	240
500	253.35	250	
600	304.02	325	300
700	354.69		
750	380.03		
800	405.36	400	400
900	456.03		
1000	506.70	500	500

EP-50 DIES

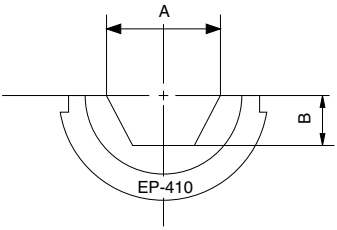


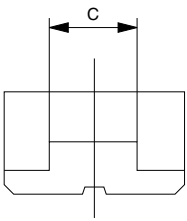
HEXAGONAL DIES FOR COPPER & ALUMINUM TERMINALS

(Suitable for DIN 46235 TERMINALS)

DIE NO.	SIDE		A	B	C
K6 & K8	A (K6)	Cu10	6.2	2.2	12
	B (K8)	Cu16	8.2	3.0	12
K10 & K12	A (K10)	Cu25 Al 16	9.7	3.6	12
	B (K12)	Cu35 Al 25	11.8	4.4	9
K14 & K16	A (K14)	Cu50 Al 35	13.8	5.3	8
	B (K16)	Cu70 Al 50	15.8	6.0	8
K18 & K20	A (K18)	Cu95 Al 70	18.0	7.0	7
	B (K20)	Cu120 Al 95	19.8	7.6	6
		[mm²]			[mm]

EP-410 DIES [Hexagonal Dies]





HEXAGONAL DIES FOR COPPER & ALUMINUM TERMINALS

(Suitable for DIN 46235 TERMINALS)

DIE NO.		A	B	C
K6	Cu 10	6.2	2.2	12
K8	Cu 16	8.2	3.0	12
K10	Cu 25 Al 16	9.7	3.6	12
K12	Cu 35 Al 25	11.8	4.4	14
K14	Cu 50 Al 35	13.8	5.3	14
K16	Cu 70 Al 50	15.8	6.0	14
K18	Cu 95 Al 70	18.0	7.0	14
K20	Cu 120 Al 95	19.8	7.6	14
K22	Cu 150 Al 120	22.3	8.7	13
K25	Cu 185 Al 150	24.3	9.6	12
K28	Cu 240 Al 185	27.8	11.5	11
K32	Cu 300 Al 240	31.5	13.6	9
K34	Cu 400 Al 300	33.7	14.5	7
	[mm²]			[mm]

HEXAGONAL DIES

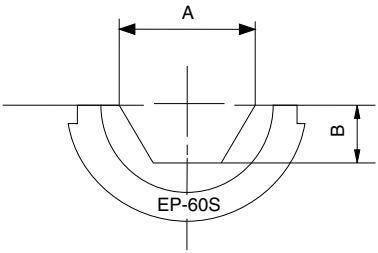
(Suitable for TERMINALS wall thickness little less than DIN 46235 terminals)

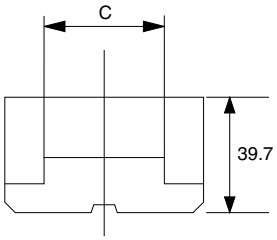
DIE NO.	A	B	C
10	5.98	2.59	12
16	7.20	3.12	12
25	8.48	3.67	12
35	10.00	4.33	14
50	11.60	5.02	14
70	13.73	5.95	14
95	15.90	6.88	14
120	17.98	7.79	14
150	20.10	8.70	13
185	22.33	9.67	12
240	25.43	11.01	11
300	28.44	12.32	9.5
[mm²]			[mm]

HEXAGONAL DIES FOR COPPER TERMINALS

(Suitable for TERMINALS commonly used in South Asia)

DIE NO.		A	B	C
UL-10	Cu 10	6.2	2.2	9
UL-16	Cu 16	7.1	2.6	14
UL-25	Cu 25	8.8	3.2	14
UL-35	Cu 35	10.6	3.8	14
UL-50	Cu 50	12.4	4.7	16
UL-70	Cu 70	14.6	5.7	18
UL-95	Cu 95	17.4	6.3	16
UL-120	Cu 120	19.4	7.1	14
UL-150	Cu 150	21.2	7.8	13
UL-185	Cu 185	24	8.6	12
UL-240	Cu 240	26.5	9.7	10
UL-300	Cu 300	30	11	9
	[mm²]			[mm]





EP-60S DIES

ALCOA TYPE DIES (HEXAGONAL)

DIE NO.	A	B	C
10SH	15.9	6.9	32.0
12SH	19.3	8.4	23.9
14SH	22.2	9.5	25.4
16SH	25.4	10.9	16.8
18SH	28.6	12.3	15.2
20SH	31.7	13.4	19.0
75SH	10.7	4.6	35.1
76SH	12.7	5.5	28.4
20AH	31.8	13.5	59.7
24AH	38.1	16.3	49.5
27AH	42.8	18.2	43.2
30AH	47.6	20.2	57.0
34AH	54.0	23.0	46.2
36AH	57.2	24.2	44.5
74AH	20.8	8.7	62.0
75AH	25.4	10.6	62.0
76AH	30.2	12.6	61.2

EP-610HS DIES

HT61BP	P39RT	equivalent
HT31BR	P40RT	〃
HT61BU	P44RT	〃
HT61BV	P46RT	〃
HT61FC	P39ART	〃
HT61HJ	P40ART	〃
HT61FD	P44ART	〃
HT61AC	PKR	〃

HEXAGONAL DIES

FOR COPPER TERMINALS

Suitable Terminals wall thickness little less than **Din 46235** Terminals.

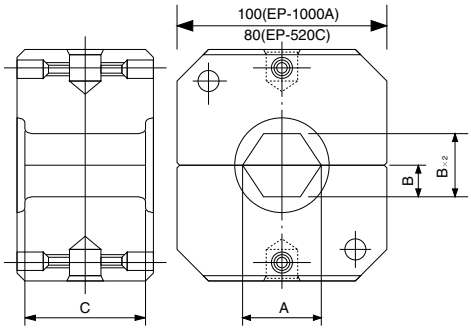
DIE NO.	Conductor size	O.D. of Lug	A	B	C
300	Cu 300	28.4	29.4	12.49	10.8
400	Cu 400	32.8	35.9	15.3	9
500	Cu 500	36.7	37.8	15.89	8.2
630	Cu 630	41.2	43.8	18.49	7.2
[mm²]					[mm]

DIES FOR H TYPS

Following Dies for H-TAP use are available.

N58	EP-410	EP-610HS1
HT58G (WBG)	HT41G (UBG)	
HT58AK (WO)	HT41AK (UO)	
	HT41V (UD)	
	HT41X (UD3)	
	HT41AJ (UN)	
		HT61AC (PKR)

EP-520C DIES [Hexagonal Dies]



DIES FOR COPPER CONDUCTOR (Suitable for JIS C2804 Terminals)

Tool		DIE NO.	EP-520C			EP-1000A		
			A	B	C	A	B	C
EP-1000A		1000-64				64	27.71	19
		725~850-56				56	24.26	22
		600-51				51	22.08	24
	EP-520C	400~500-47	47	20.35	15	47	20.35	26
		325-42	42	18.19	17	42	18.19	29
		250-38	38	16.45	19	38	16.45	32
		240-36	36	15.59	20	36	15.59	34
		180~200-32	32	13.86	22	32	13.86	38
		150-29	29	12.56	24	29	12.56	42
		110~125-26	26	11.26	27	26	11.26	47
		75~100-23	23	9.96	31	23	9.96	53
		45~70-19	19	8.23	37	19	8.23	60
		22~38-14	14	6.06	42	14	6.06	60
		8~14-12	12	5.20	25	12	5.20	25

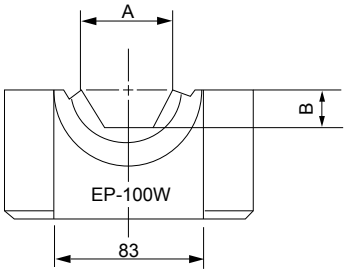
DIES FOR ALUMINUM CONDUCTOR (Suitable for JIS C2804 Terminals)

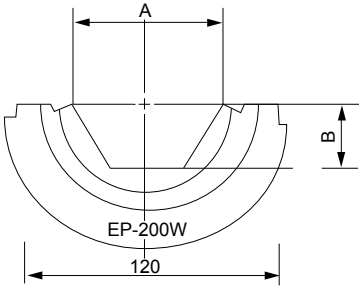
Tool		DIE NO.	EP-520C			EP-1000A		
			A	B	C	A	B	C
EP-1000A		980~1000-71				71	30.74	40
		850-65				65	28.15	45
		600~725-60				60	25.98	48
	EP-520C	500~590-52	52	22.52	33	52	22.52	55
		380~430-48	48	20.78	39	48	20.78	60
		400-44	44	18.55	40	44	18.55	60
		325-42	42	18.19	42	42	18.19	60
		300-38	38	15.95	42	38	15.95	60
		200~250-34	34	14.20	42	34	14.20	60
		125~180-30	30	12.50	42	30	12.50	60
		80~110-26	26	11.26	42	26	11.26	60
		45~70-22	22	9.53	42	22	9.53	60
		30,38-18	18	7.79	42	18	7.79	60
		30,38-16	16	6.93	42	16	6.93	60

DIE NO. has a following meaning.

(500~590-52 : 500~590 mm^2 conductor use, die across vertex distance is 52mm)

EP-100W/EP-200W DIES





FOR STEEL SLEEVES

C : Die Width

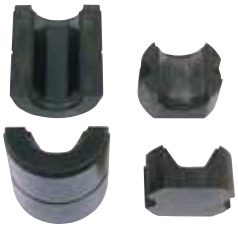
DIE NO.	A	B	C (100/200)
S8.5	8.5	3.7	50 –
S10	10	4.3	45 –
S12	12	5.2	40 –
S16	16	6.9	40 –
S18	18	7.8	35 –
S20	20	8.7	35 –
S22	22	9.5	35/70
S23	23	10.0	30 –
S24	24	10.4	30/60
S26	26	11.3	30/60
S28	28	12.1	28/60
S30	30	12.99	25 –
S32	32	13.9	25 –
S44	44	19.1	– 35
S50	50	21.7	– 30

FOR ALUMINUM SLEEVES

DIE NO.	A	B	C (100/200)
A22	22	9.5	75/128
A26	26	11.3	75/128
A30	30	12.5	75/128
A34	34	14.2	75/128
A38	38	16.0	75/128
A42	42	18.2	75/128
A44	44	18.6	75/128
A48	48	20.8	75/128
A52	52	22.5	75/128
A60	60	26.0	75/128
A65	65	28.2	75/128
A68	68	29.4	75/128
A71	71	30.7	75/128
A76	76	32.9	– 128
A90	90	39.0	– 128
A100	100	43.3	– 128

FOR COPPER LUGS

DIE NO.	A	B	C (100/200)
C14	14	6.1	60 –
C17	17	7.4	60 –
C19	19	8.2	60 –
C23	23	10.0	60 –
C26	26	11.3	60 –
C29	29	12.6	60 –
C32	32	13.9	60 –
C36	36	15.6	55 –
C38	38	16.5	55 –
C42	42	18.2	55 –
C47	47	20.4	50 –
C50	50	21.7	50 –
C51	51	22.0	50 –
C54	54	23.4	50 –
C56	56	24.3	40 –
C57	57	24.7	40 –
C63	63	27.3	– 70
C64	64	27.7	35 –
C68	68	29.4	– 70
C73	73	31.6	– 65
C78	78	33.8	– 64
C85	85	36.8	– 60
C86	86	37.23	– 60



ISO 9001
ISO 14001
BUREAU VERITAS
Certification

Head Office in Matsumoto

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